

Monmouth College

969-70 Catalog / Monmouth College Bulletin / Monmouth, Illinois



MONMOUTH COLLEGE

FOR ADMISSIONS INFORMATION WRITE TO:

John Wilbur
Director of Admissions
Monmouth College
Monmouth, Illinois 61462
309/734-3161

AREA REPRESENTATIVES:

Tom Martin
Assistant Director of Admissions
403½ South 11th Street
DeKalb, Illinois 60115
815/758-2355

Miss Patricia Pirolli
Assistant Director of Admissions
25 North Maple Court
Addison, Illinois 60101
312/834-0445

Dwight Tierney
Missouri Area Representative
10504 Bellefontaine
St. Louis, Missouri 63137
314/867-2737

Miss Cornelia C. Kelly
Middle Atlantic States Representative
Box 641
Stony Brook, New York 11790
516/751-1493

Miss Patricia Flagg
Ohio Area Representative
3600 Chelton Road
Shaker Heights, Ohio 44120
216/921-7077

Frank H. Goodwin
New England Area Representative
Coach Light Apartments
Beldon Courts
Agawam, Massachusetts 01001

A few years ago, the faculty at Monmouth College adopted the following statement of purpose. This statement expresses well the goals to which this institution is committed:

"Monmouth College, as a liberal arts college, proposes to provide basic knowledge and inspiration to assist young men and women in gaining an understanding of the world in which they live.

The curriculum is designed to provide a broad understanding of the physical world, of human society, the arts and the world of ideas; to provide an atmosphere in which the student is encouraged to develop initiative, responsibility, intellectual inquiry and self-confidence, a sense of value, creativity and a desire to continue a lifelong quest for knowledge; to provide the students with a foundation for entry into the world of industry and commerce, the various professions, or graduate study.

The concern of Monmouth College is with the individual student: his mind, his aspirations, and his ideals.

Within an intellectual and cultural environment in which Christian ideals are affirmed, the college aims to train highly effective young men and women who will in turn render a service to society."

A cursive signature in black ink, appearing to read "Duncan Wimpress".

DUNCAN WIMPRESS
President, Monmouth College

CONTENTS

5 MONMOUTH

- 7 The College Today
- 7 116 Years
- 8 Life of the Monmouth Student
- 13 The Campus

17 ACADEMICS

- 18 Requirements for Graduation
- 20 Special Study Programs
- 25 Pre-professional Programs
- 27 Suggested Curricula
- 37 Courses of Instruction
- 98 Academic Regulations

105 ADMISSION

- 106 Admission
- 108 Costs
- 113 Financial Aid

123 DIRECTORIES

- 124 The Senate
- 126 The Faculty
- 133 Administration and Student Services
- 134 Student Association Officers
- 135 Alumni Association
- 136 Parent Association

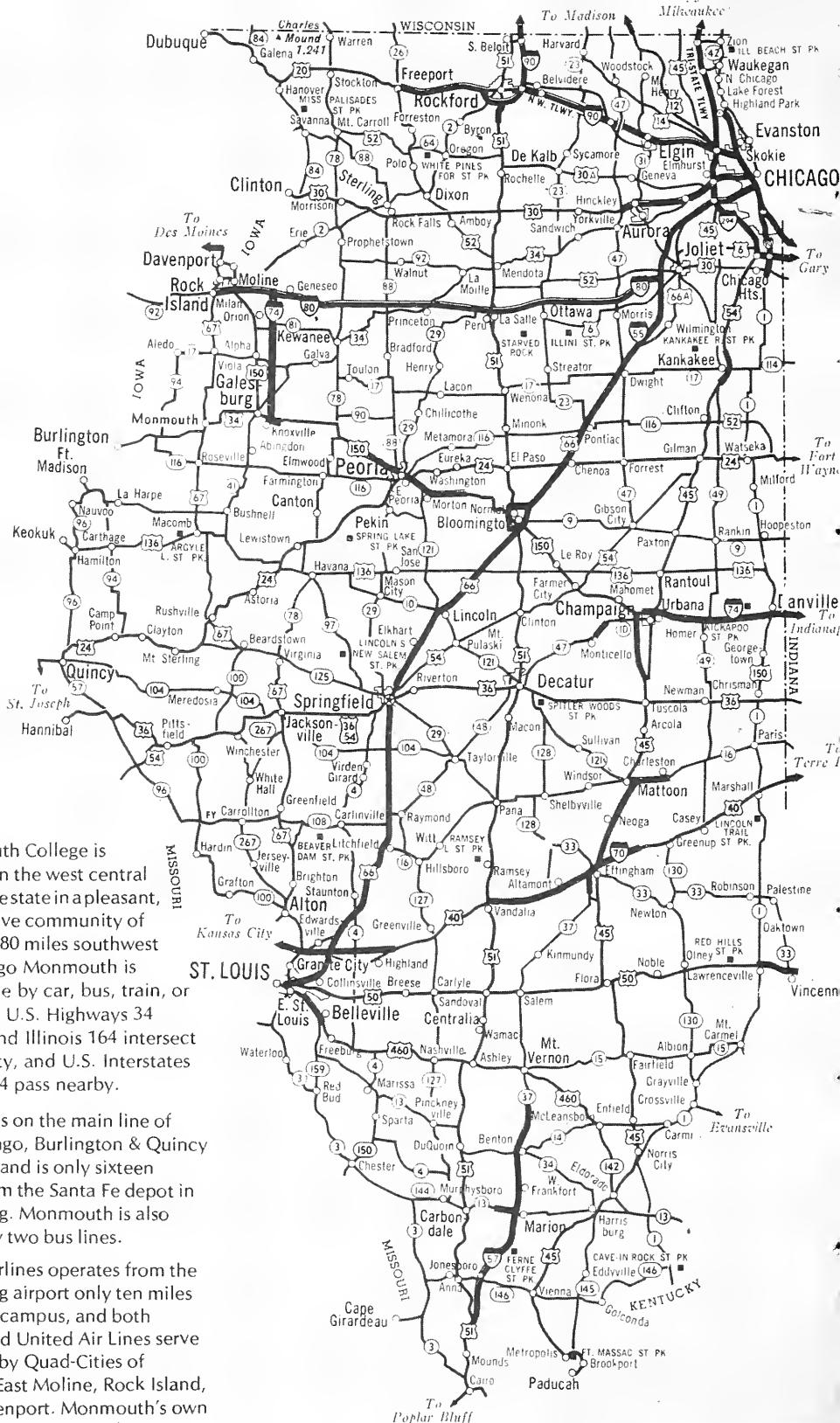
139 INDEX

- 144 College Calendar, 1969-70





W
O
M
B
A
N
K
I
N
G
S



THE COLLEGE TODAY

Last year 1,400 students were enrolled at coeducational, liberal arts Monmouth College. Each year about 500 new students are welcomed to the campus. At Monmouth College course work is conducted with the hope and expectation that the learning experience will make a genuine personal difference to the life of the students, and that in turn the student will influence the society in which he lives.

The key to the success of Monmouth College is its faculty, which has as a primary goal the teaching of young people in an environment where students and teachers are closely identified.

Monmouth ranks today as one of the nation's leading liberal arts colleges. In *Doctorate Recipients from United States Universities, 1958-1966*, Monmouth was ranked among the top 28 liberal arts colleges in the nation in the number of graduates who received the Ph.D. degree from 1920 to 1966. The College is among the top nine liberal arts colleges in the nation in the number of graduates who received the Ph.D. degree in chemistry from 1920 to 1966.

For the past several years approximately one-third of Monmouth College graduates have enrolled in full-time graduate programs and another one-third have accepted teaching positions. Monmouth graduates are now pursuing graduate work in some seventy-five graduate and professional schools.

116 YEARS

Monmouth College was founded in 1853 by a group of citizens of the city of Monmouth. The College has perpetuated the pioneering spirit of optimism and vigor. It was one of the first colleges in the nation to admit women on an equal basis with men, and one of the first in the Midwest to be accredited for the preparation of chemists by the American Chemical Society. Monmouth was a founding member of the Associated Colleges of the Midwest, a consortium of twelve outstanding liberal arts colleges* in Colorado, Iowa, Illinois, Minnesota, and Wisconsin. These independent colleges, similar in size, organization, and purpose, work together today in various undertakings to increase their educational effectiveness.

From 1853 to 1856 the school functioned as a preparatory school, but later that year the State Legislature granted it a collegiate charter. The first president of Monmouth College was David A. Wallace, elected in 1856. While he was president, in 1867, the nation's first national sorority, Pi Beta Phi, was founded at the College. Three years later, Kappa Kappa Gamma was founded by Monmouth College coeds.

*Beloit College, Carleton College, Coe College, Colorado College, Cornell College, Grinnell College, Knox College, Lawrence University, Macalester College, Monmouth College, Ripon College, St. Olaf College.

Wallace resigned in 1878 and was succeeded by Jackson Burgess McMichael. Under his administration new departments were added, classrooms and laboratories were better equipped, and the size of the faculty was increased.

Reverend Samuel Ross Lyons took the president's gavel in 1898 and then in 1903, as Monmouth College was beginning its second fifty years in the field of higher education, Thomas Hanna McMichael, the son of the second president, became the fourth president. McMichael served as president of Monmouth College for thirty-three years.

Dr. James Harper Grier, pastor of the Second United Presbyterian Church in Monmouth, was chosen to succeed McMichael in 1936.

Grier remained president until 1952 when Dr. Robert W. Gibson assumed the leadership of the College. During the Gibson years the Student Center and Graham Hall were constructed.

After Gibson's retirement in 1964, Dr. Duncan Wimpress, the current president of the College, was inaugurated. The pace of progress during the last five years has been impressive. Three new dormitories and an imaginative fraternity complex have been added to the physical plant, and the new Science Center and Library will soon be completed.

Monmouth College continues to seek new ways to challenge its students. The adoption of the three-term, three-course curriculum adds new dimension to the traditional liberal arts experience in an untraditional way. Under the *three-three program* the academic year is divided into three eleven-week terms. The Satisfactory/Unsatisfactory grading system allows a student to explore courses without fear of adverse effect on his grade-point average. Special programs bring the world to the campus through opportunities in a variety of fields of study conducted in places such as Costa Rica, Japan, Washington, D.C., Chicago, the Quetico-Superior National Wilderness Field Station, and the Argonne National Laboratory.

LIFE OF THE MONMOUTH STUDENT

There is opportunity at Monmouth College for each student to actively involve himself in a wide range of worthwhile endeavors.

Students at Monmouth lend their executive talents to a number of joint faculty-student-administrative committees including the important Student Life Committee, which has the responsibility for continuing examination of the College's social policies; the Student Judicial Board, which has the responsibility of the administration of discipline; the Communications Board, which manages the finances and selection of media coordinators for the campus radio station, WFS, the student newspaper and other student publications. In addition, Monmouth College students are represented on most faculty committees including the Curriculum Committee which helps plan



the academic program of the College. Students have the opportunity to attend regular faculty meetings and recently the officers of the Student Association were invited to participate in the meeting of the Monmouth College Senate, the governing board of the College. The Monmouth College Planning Council, formulated to create an overall plan for the development of the College during the next ten years, includes students, parents, faculty, members of the administration, and members of the Senate.

The Student Association of Monmouth College recently instituted a program of financial management which allocates funds to various student organizations including the Student Center Board, the Student Convocations Committee and the Communications Board. These funds are totally controlled by the Student Association.

Under the auspices of the Student Association's Student Convocation Committee program Bill Russell, player and coach of the Boston Celtics; Julian Bond, young Georgia legislator; controversial Adam Clayton Powell; and conservative spokesman, Russell Kirk, were invited to lecture on the campus last year.

Monmouth College students assist in the work of the Warren Achievement School for the Handicapped as teachers' aids, helping teach basic physical and mental skills. The program of the Jamieson Center, a local neighborhood youth assistance center, would be severely limited without the thousands of volunteer hours of service provided by Monmouth College students.

During Christmas vacation each year a group of student and faculty members spend a week in an urban area studying firsthand the problems of inner city environment. Last year, under the sponsorship of The Rev. Paul McClanahan, chaplain of Monmouth College, a group traveled to Chicago, Illinois, to investigate the many aspects of the question of law and order. The previous year, Rev. McClanahan and a number of students went to Detroit to talk with area congressmen; Dr. Roy A. Wilkins, the national president of NAACP; and many other informed individuals.

The Student Center provides a focal point for student life on the Monmouth College campus. Offered at the Student Center are social and cultural programs, planned and budgeted by the Student Center Board of Directors. Physical facilities in the Student Center may be used in activities ranging from bowling and billiards to music.

There are some forty special interest clubs, honorary organizations, supervisory and social groups and social fraternities on campus. The fifteen honorary organizations include Sigma Omicron Mu, upper-class scholastic; Alpha Lambda Delta, freshman women's scholastic; Beta Beta Beta, biology; Eta Sigma Phi, classics; National Collegiate Players, theater; Pi Kappa Delta, forensics; Sigma Tau Delta, creative writing; Blue Key, service and leadership.

The Alpha chapters of the nation's first two sororities, Pi Beta Phi and Kappa Kappa Gamma, are maintained on campus. The sororities

at Monmouth College are Alpha Xi Delta, Kappa Delta, Kappa Kappa Gamma and Pi Beta Phi; the fraternities are Alpha Tau Omega, Tau Kappa Epsilon, Theta Chi, Sigma Alpha Epsilon, Sigma Phi Epsilon, and Phi Epsilon Pi.

A list of student organizations is included in the *Scot's Guide*, a booklet of student information and regulations sent to all new students early each fall.

Religious Life

Throughout its history, Monmouth College has retained an affiliation with the church of its founders, today the United Presbyterian Church, U.S.A. While not attempting to intrude on a student's beliefs, the religious program of the College accepts the responsibility of challenging each student to explore the spiritual dimension of life. Many denominations are represented among the students and among the faculty; the various religious groups are encouraged to develop special programs for the members of their faith.

Throughout the year, leading interpreters of religion or religious thought visit the campus to speak in a religious setting, conduct seminars, lecture in special classes, counsel students and contribute to student understanding of religious heritage.

Athletics

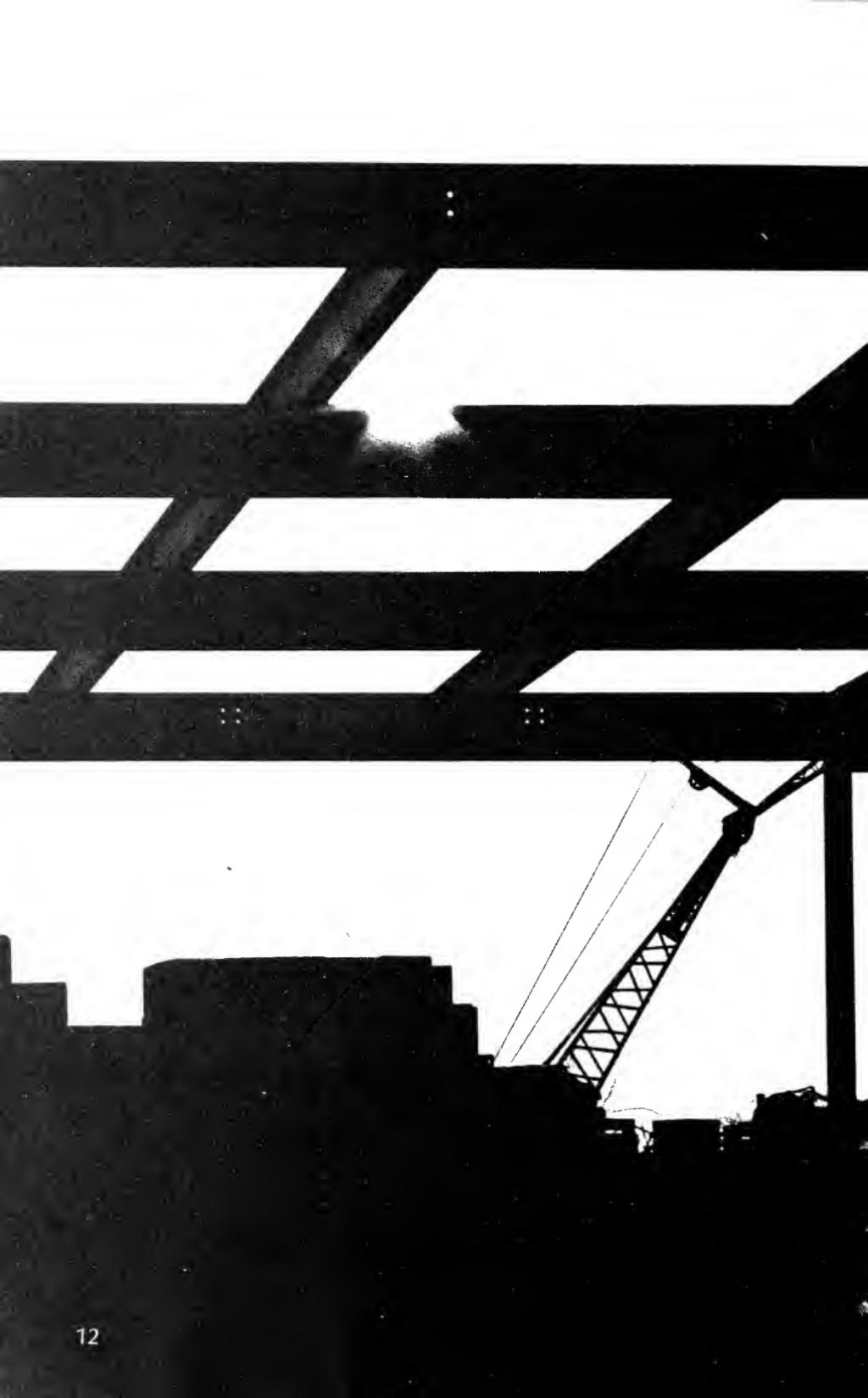
Monmouth is a member of the Midwest Intercollegiate Athletic Conference which maintains competition at the varsity and freshmen level between ten of the institutions in the Associated Colleges of the Midwest. Monmouth's "Fighting Scots" battle in nine varsity sports: football, cross country, basketball, swimming, wrestling, baseball, track, golf, and tennis. Monmouth, with a proud record of support for its athletic teams, has an equally fine record of participation in intramural events.

Student Services

The advising and counseling of each student is primarily in the hands of his faculty adviser, assisted by the three personnel deans, the Chaplain, and a clinical psychologist. Student counselors in the residence halls also are helpful. For more serious problems, the services of a psychiatrist are offered through the Health Service on a fee basis.

A summer orientation program is held for parents of new students. For the students themselves, advice and useful information is provided at the orientation program immediately before the start of classes each fall.

Both students and alumni are assisted in obtaining employment through the Office of Student Aid and Placement. Vocational counseling is offered by the Director as well as by the Dean of Students. A career library is maintained by the College Placement Bureau, and



campus interviews are arranged with company personnel recruiters. Scholarships, grants and aid and student loans are administered by the Director of Student Aid and Placement.

The Health Service provides a well-equipped infirmary and liaison with the new Monmouth Community Memorial Hospital. Physicians and nurses staff the service and are available for treatment of minor illnesses as well as emergencies. Important to the health service program is the student insurance plan which provides year-round protection on and off campus.

THE CAMPUS

The Monmouth College physical plant is continually being expanded and improved—the Science Center and Library projects are the newest phase of the Monmouth campus building program; the three new residence halls and the three-fraternity complex have been completed since 1965. Graceful residences surround the campus, which is only a ten minute walk from the local theater, shopping district, and public library. Monmouth's campus is conveniently arranged so the student can walk to any other campus building within a few minutes.

Academic Buildings

For over sixty years students at Monmouth College have prepared for the demands of modern society in *Wallace Hall*, the main academic building on the campus. It contains classrooms, faculty offices, faculty and student lounges, a language laboratory, and many study carrels.

J. B. McMichael Hall, which has served as the science center since 1909, will soon be renovated and will contain new psychology labs and mathematics classrooms.

The *New Library* has space for over 300,000 volumes. It is fully carpeted and air-conditioned and contains seminar areas, study carrels, study rooms for individual faculty members, and features a reading terrace for outdoor study during warm weather. Approximately 10,000 volumes are selected each year by faculty members and the library's staff to provide for new courses, to make recently published works of importance available, and to enrich the collection which now includes some 120,000 bound volumes. More than 800 American and foreign periodicals are currently received, and the Library is a selected depository for government documents. Other materials include phonograph records, microfilm and pamphlets.

The Library, open ninety-four hours a week, participates in cooperative programs with Knox College in Galesburg and the Warren County Public Library in Monmouth making an additional 190,000 volumes available to Monmouth students without charge. The library is linked by teletype with other ACM libraries and with a central periodical

bank in Chicago. Photocopies of articles from over 1,500 periodicals can usually be obtained within forty-eight hours.

The New Science Center, to be completed in the fall of 1970, will contain lecture rooms, laboratories for biology, chemistry, geology, and physics, faculty offices and a science library room. The building is to be air-conditioned and will be constructed with laboratories and lecture rooms radiating from the central utility core.

The College Auditorium on the southwest corner of the campus houses all major lectures, music, and religious events. *Austin Hall*, home of the music department, contains practice rooms, classrooms, record and music library, and faculty offices. Located on the east side of the campus is the *Art Center*, with library, foundry, gallery, painting, drawing and print-making studios. College theatrical productions are held in the *Little Theatre*.

Residence Halls

Each dormitory on the Monmouth campus has its own distinct personality. The Georgian tradition of *Grier* and *Winbigler* halls is of special beauty. Both dormitories are fully carpeted; they have elegant livingrooms enjoyed by Monmouth women for the last two decades.

McMichael Hall has been a favorite of Monmouth College coeds since 1915. It is the oldest dormitory on campus and its spacious rooms, high ceilings, and ample closets give it special charm.

Women students returned to the campus in the fall of 1966 to find *John Scott and Eva Cleland Hall*—a revolutionary concept in dormitory living based on a cluster-unit plan, featuring lounges and bath facilities for each separate living section. Based on the success of Cleland Hall, *Jean Esther Liedman Hall*, finished in the fall of 1968, continued the cluster-unit. Liedman Hall, also fully carpeted, has a bi-level lounge adjoining its two wings.

The *Fraternity Complex*, opened in 1966, houses three of the campus' five national fraternities.

Fulton Hall for men was occupied for the first time in September, 1951. It provides single and double rooms, as well as quad-suites, for 120 male students. Nine years after the opening of *Fulton*, *Graham Hall* was constructed for use by 110 freshmen and upperclass men students. *Gibson Hall*, first used in the fall of 1965, upset the status quo of residence hall construction. This attractive men's dormitory features rooms with private outside entrances, disregarding the old corridor style.

Athletic Facilities

The *Gymnasium*, completed in 1925, is the central building for Monmouth's diversified athletic and physical education program. *Waid Gymnasium* includes a basketball court, swimming pool, cinder track, handball court, faculty offices, and exercise room. Dressing rooms and

training rooms for the football and wrestling teams are located on the east side of the campus. Near the gymnasium is the four-acre athletic field with facilities for football, archery, tennis, and intramural sports.

Quinby House

Quinby House, the home of the Ivory Quinby family for three generations, is now the official residence of the College President. The stately two-story structure, given to the College in the summer of 1965, stands as a monument to the College's pioneering past. The Quinby family was represented on the College Senate almost continuously from 1853, the date of the College's founding, until 1968.

Student Center

The *Student Center*, is a popular gathering place with its dining room, snack bar, bookstore, game room, and student radio station.

More than eighty students serve on the committees which operate the Center, including members of the Monmouth Student Center Board of Directors.



අ ඔ ග ඔ ග ඔ ග ඔ ග ඔ ග ඔ ග ඔ ග

Monmouth College uses its resources to develop and maintain an undergraduate academic program of the highest possible quality. The faculty, more than half of whose members hold the Ph.D. degree, is a teaching faculty with the primary goal of helping students to learn. The size of Monmouth College, with a student-faculty ratio of sixteen students to each faculty member, permits ease of dialogue between teacher and student. Most classes range from fifteen to twenty-five students in size, but advanced seminars are often much smaller.

The three-term, three-course curriculum, adopted in the fall of 1962, has given depth to the educational goals of Monmouth College. The *three-three program* divides the academic year into three eleven-week terms rather than traditional two sixteen-week semesters. Terms end at the natural dividing points of Christmas and the months of March (spring vacation) and June. A student normally takes only three courses per term. Thirty-six term courses are required for graduation. Under this program, seminars, independent study, and other individualized courses are emphasized. It is possible, by attending the Monmouth College summer sessions, to complete requirements for graduation in three years.

REQUIREMENTS FOR GRADUATION

Monmouth offers the Bachelor of Arts degree. Requirements are designed to encourage each student to explore the major areas of the liberal arts and to examine intensively his field of interest.

A student qualifies for the A.B. degree by earning a grade-point average of 2.0 (C) or better in a total of thirty-six term courses and by taking the specified distribution requirement courses. Each student must select either a departmental, divisional, or topical major and must earn a grade of C or better in each course counted toward this major.

Distribution requirements

Distribution requirements help a student acquire a broad liberal arts education and discover his aptitudes and interests. Through these requirements, usually fulfilled during the first two years, the student is introduced to many areas of human knowledge and to the methods of scholarly investigation. A student may satisfy any of the distribution requirements by passing an examination covering the work in the required courses.

NATURAL SCIENCES AND MATHEMATICS: Three Term Courses

Biology, Chemistry, Geology, Physics or Mathematics:
three term courses from two departments, including a two term lab sequence.

SOCIAL SCIENCES: Two Term Courses

Economics, Government, Psychology, Sociology: two term courses in separate departments.

HUMANITIES: Four Term Courses

History, Literature (including foreign language at 300 level), Philosophy, Bible and Religion, Classical Civilization 211 or 221: four term courses from at least three departments.

FINE ARTS: One Term Course

Art, Music or Theater Arts.

FOREIGN LANGUAGE: One Term Course Beyond 102 or Proficiency.

ENGLISH COMPOSITION: English 101 or Proficiency

SPEECH: One Term Course or Proficiency

PHYSICAL EDUCATION: Three Terms.

These courses are to be completed during the first year of residency unless excused by the Director of the College Health Service for medical reasons.

Departmental Major

A departmental major consists of a minimum of eight term courses in one department. A department may require of its majors a comprehensive examination, a senior thesis, or other work, including the graduate record examination.

Divisional Major

A divisional major consists of a minimum of twelve term courses in one division (at least six of which must be at the 300 or 400 level). The program for the divisional major must be approved by the Curriculum Committee and will be under the direction of an adviser appointed by that committee.

Topical Major

A topical major consists of a minimum of twelve term courses (at least six of which must be at the 300 or 400 level) chosen from two or more departments as a group of studies linked together by a special theme or field of interest. The program for the topical major must be approved by the Curriculum Committee and will be under the direction of an adviser appointed by the committee.

Seminars and Individual Study

Most departments require each student, during the junior or senior year, to investigate a topic on an individualized basis. This individualized study will enable the student to demonstrate intellectual capacity and fulfill academic potential. Individual study can be either individual

work under faculty supervision or off-campus and foreign study of an independent or semi-independent nature. Each academic department has a seminar program at the upperclass level.

SPECIAL STUDY PROGRAMS

Monmouth College offers special study programs for students interested in exploring a field or topic in depth. The programs, most involving off-campus study, are offered in a variety of academic fields — from Asian studies to zoology — and are conducted in geographic areas ranging from Japan to the Quetico-Superior wilderness in Minnesota. Most carry full academic credit.

Argonne Semester

In cooperation with the Argonne National Laboratory and the Associated Colleges of the Midwest, Monmouth College students and faculty study and do research in the fields of biology, chemistry, and physics at the Argonne National Laboratory. Amid campus-like surroundings twenty-five miles southwest of Chicago, students serve as paid research assistants, conduct original research, and participate in seminars in their major fields and in an inter-disciplinary seminar directed by ACM faculty members. The length of the program is six months, and junior or senior status is a prerequisite for admission.

Central American Field Studies

The Central American Field Studies program is designed to acquaint faculty and students with the Costa Rican people and the culture of their predominately rural, tropical society. Research projects are carried out in the social and biological sciences related to the land settlement program and problems of tropical food production. The length of the program is usually five and one-half months, and students are required to have completed two years of college work before admission.

Children's Theater and Creative Dramatics

The Children's Theater and Creative Dramatics program is open to Monmouth College juniors and seniors interested in speech, drama, acting and directing, producing and the writing of plays for children. Students practice-teach at the elementary or junior high school level, and after completion students are prepared to work with children in community centers, youth groups, or settlement houses. The Children's Theater and Creative Dramatics program, offered in conjunction with both Northwestern University and the Evanston Illinois Public Schools, is sponsored by the Associated Colleges of the Midwest. The prerequisites for this sixteen-week program are the usual ones required for practice teaching as well as experience in speech and drama.



Cuttington College

New Monmouth College graduates have the opportunity to teach and assist in a small private west African (Liberian) coeducational liberal arts college in conjunction with the Cuttington College program. Cuttington students come from many African countries and many will play important roles in the development of their home nations. In addition to teaching, faculty and other graduate assistants frequently do research, advise, and carry on administrative duties. The length of the program is one year for faculty and two years for ACM graduates.

East Asian Studies

The Monmouth College Senate authorized the establishment of a distinctive East Asian studies program in the fall of 1963. This interdisciplinary program is designed to enrich the entire curriculum and broaden the range of non-Western studies available to all students. It is of special value to students planning a career in business, foreign missions, or government services in East Asia.

The Boone Oriental Library and Fine Arts Collection, a substantial private collection, has been made available to the College by its owners, Commander and Mrs. G. E. Boone. The collection, designed for display and study, is located near the Monmouth campus and consists of several thousand volumes and about 1,000 art objects.

Three-two Cooperative Engineering Program

Monmouth College is one of a group of well-known liberal arts colleges affiliated with New York University, Case-Western Reserve University, Illinois Institute of Technology, and the University of Illinois in a joint five-year program of engineering education. The plan calls for three years of liberal arts study at Monmouth followed by two years of engineering work at Case, New York University, Illinois Institute, or the University of Illinois. On completion of the five-year program, the students will receive degrees both from Monmouth and the engineering school.

Experiment in International Living

Independent study in Europe is available under a program sponsored jointly by Monmouth College and the Experiment in International Living, a non-profit, non-sectarian organization which places students as guest members of families in foreign countries. Under this program, students may receive academic credit for independent study and travel by special arrangement. A faculty committee coordinates the program on the Monmouth campus.

Introductory Geology in the Rocky Mountains

In cooperation with Montana State University in Bozeman, Monmouth College students and other ACM students are introduced to geology in

a field setting which stretches from the Tetons to Glacier National Park. Participants live in campus facilities and use Montana State geology department lecture rooms and laboratory facilities. More than half of the eight-week course is spent in the field. The prerequisite for the program is high school graduation and admission to Monmouth College. No formal training in geology is required.

High School Seniors' Honors Program

Now in its fourth year, a cooperative program with Monmouth High School enables a limited number of highly qualified high school seniors to take a course for college credit.

Junior Year Abroad

Monmouth College participates in a variety of programs offering foreign study during the junior year. The Junior Year Abroad program of the United Presbyterian Church provides study in any of a dozen countries around the world. Several Monmouth students participate in this program yearly. Other programs with a variety of foreign study centers can be arranged through the faculty off-campus study committee.

Newberry Library Seminar

Each year outstanding university scholars, ACM faculty members, graduate students, and ACM undergraduates participate in seminars, discuss and carry out research at the Newberry Library in Chicago. The library has exceptional resources in history and literature including the history of philosophy and music from the Middle Ages to the end of the 19th century. This program is fourteen weeks in length; prerequisites for admission include a working background in history or literature and junior or senior status.

Reserve Officers Training Corps

In cooperation with Knox College and the United States Army, Monmouth College offers an opportunity for male students to participate in the Reserve Officers Training Corps program and qualify for commission as second lieutenants while earning a degree. The courses held on the Knox campus are conducted during the junior and senior years. Students enrolled in the military science courses receive academic credit and are paid a monthly allowance by the Army. Upon appointment as a second lieutenant in the U.S. Army and following successful completion of the ROTC courses, there is a contractual obligation to serve the United States Army on active duty for two years.

Summer Institutes Abroad

Monmouth College has joined with Florida Presbyterian College in a Summer Institutes Abroad program to expand the development of study-travel experience outside this country. Institutes are offered in

the Near East, China, Japan, India, Africa, Latin America, and the Caribbean, as well as in many European countries. The program combines lecture, seminar, and tutorial work.

Urban Teaching Semester

The Urban Teaching Semester, conducted in cooperation with the Chicago Public Schools system, gives ACM undergraduates an opportunity to study and teach in inner city schools and to study in seminars devoted to urban education and urban sociology. Each student has two student teaching experiences in contrasting school situations. The length of the program is sixteen weeks and the usual prerequisites for practice teaching apply.

Washington Semester

Students who have demonstrated exceptional academic ability are selected as candidates for this program at American University in Washington, D.C., designed to bring superior students into contact with source materials and government institutions at the nation's capital. In addition to regular study and a research project, students participate in the Washington Semester Seminar, a course consisting of a series of informal meetings with members of Congress and government officials. The program is sixteen weeks in length, and junior standing is required for admission.

Washington House

The Washington House program, initiated in 1967, allows approximately sixteen students to spend the spring term in Washington, D.C. Each student takes three courses, including an independent study course directed by a faculty member of Monmouth College. During 1969 the *Government in Action* courses were taught by Dr. A. Lee Fritchler, assistant professor of government at American University, and *Art and Architecture in Washington* was taught by Erwin Christensen, retired art curator of the National Gallery in Washington, D.C. The program takes advantage of the Washington setting for field trips, directed observation and library research. Qualified science students may have an opportunity to engage in research in the Smithsonian Institution. Students are required to have junior standing for admission to the program.

Wilderness Field Station

The Wilderness Field Station is located in the Superior National Forest in northern Minnesota. Operating from a base camp, students of botany, zoology, and geology explore the region by foot and canoe, learn basic techniques of field research, collect and classify plants, animals and rocks, and carry on individual study projects. The program, held in the summer, is from five to nine weeks in length, and students are

required to have taken at least an elementary course in the field of science to be studied.

PRE-PROFESSIONAL PREPARATION

A liberal arts education provides a good foundation for professional and graduate study. The Monmouth program allows the student to concentrate in a field closely related to his specific interest while offering an opportunity to secure a broad, general education. Many graduate and professional schools discourage heavy undergraduate specialization and emphasize the values of a broadly based liberal arts education as a preparation for advanced study.

Communications

After receiving an A.B. degree, students can usually obtain an M.A. in journalism-communications after one year of concentrated study at a major university. Students interested in communications careers usually major in English, social sciences, or psychology. The weekly campus newspaper, the *Oracle*; the literary magazine, the *Piper*; the yearbook, the *Ravelings*; and the campus radio station, WFS, offer ample opportunity for students to gain practical experience.

Dentistry

Most students who plan to enter the field of dentistry major in biology or chemistry.

Engineering

See Three-two Cooperative Engineering Program, page 22.

Law

The major field for the student planning to enter law school can be quite varied but the student should prepare himself in communicative skills and understanding of human institutions and values. Social sciences, economics, philosophy, and psychology are recommended to be included in the student's undergraduate work.

Library Science

After receiving the A.B. degree, a student may qualify for a library science degree with one year of training in a professional school. Business and industry have opened new fields in specialized library work for students with scientific training. There are opportunities for students with an interest in library science to work in the Monmouth College Library.

Medicine

While specific requirements for each medical school vary, the following courses would meet the general admissions requirements of most medical schools: biology including general zoology, embryology and vertebrate anatomy; inorganic chemistry, organic chemistry, and analytical chemistry; and general physics. In order to handle the mathematical concepts inherent in modern science, a strong background in mathematics is recommended for medical school preparation. Medical schools are also insisting on better preparation in the humanities and social sciences.

Biology majors fulfilling the requirements at Monmouth meet the admission requirements for most medical schools automatically. Chemistry majors need to take the necessary biology courses in addition to the courses required for the chemistry major. The program of study for each student is planned in consultation with faculty members in consideration of the requirements of the medical school to which the student expects to apply.

Medical Technology

Under a program similar to that for medicine or dentistry, students may major in any field providing certain basic course requirements are met. Generally, an A.B. degree with a major in biology or chemistry is taken. A fifth year at a professional school and successful completion of the registry examination will lead to the certificate in medical technology.

Ministry and Christian Education

The American Association of Theological Schools recommends a broad liberal arts background as the best preparation for the modern ministry. Concentration in philosophy, religion, history, English, sociology or psychology is acceptable, and some knowledge of Greek is a valuable asset.

Monmouth's program for training of church education assistants is approved by the United Presbyterian Church Joint Committee of Nine. The committee notes that the program "has value for students of other communions who are preparing for service in the field of Christian education." The program includes general liberal arts requirements in humanities, social sciences, physical sciences and mathematics and fourteen term courses in education, psychology, religion, and music.

Teaching

Teacher preparation programs have been designed to implement the objectives of Monmouth College and also to meet the general and professional education requirements of the Illinois State Teacher Certification Board. The programs provide students preparing to teach in

elementary and secondary schools with opportunities to develop attitudes and behaviors needed to become effective teacher-scholars. The programs allow for development of breadth through the general education component, depth through study in a major field, and teaching competence through the professional courses.

Students expressing an interest in teaching as a career are advised to pursue programs of study which take into account their subject interests, personal aptitudes, and desire to qualify for various teaching preparation programs. Special study programs, one of which is the Urban Semester Program of the Associated Colleges of the Midwest, offer special opportunities to the Monmouth student. Other programs may be started at Monmouth and completed in graduate school. See pages 30, 54, and 56 for more specific information concerning the teacher education program.

SUGGESTED CURRICULA

To give entering freshmen an idea of a typical program, the following series of suggested curricula is presented. The programs, listed alphabetically by department, represent a suggested series of courses prepared by faculty members in the department. They are recommendations rather than strict requirements. Each student's program is planned with the advice of his faculty adviser and is tailored to meet his specific requirements.

ART

FRESHMAN YEAR

First Term
English or Speech
Language
Art 105

Second Term
English or Speech
Language
Art 106
Art 151*

Third Term
English or Speech
Language
Art 107
Art 152*

*one-half course credit.

SOPHOMORE YEAR

First Term
Laboratory Science
Language
Humanities Elective

Second Term
Laboratory Science
Education 201 or Social Science
Elective
Art 211
Art 251 or 241*

Third Term
Math or Science
Education 202 or Social Science
Elective
Humanities Elective
Art 252 or 242*

BIBLE AND RELIGION

FRESHMAN YEAR — Ministry and Christian Education

First Term

English 101
Language
Speech 101
Art, Music, or Theater*

Second Term

English 102
Language
Bible 101
Art, Music, or Theater*

Third Term

Religion
Language or General Psychology
Literature, History or Philosophy
Art, Music, or Theater*

*One-term course or fractional courses to equal one-term course may be taken.

SOPHOMORE YEAR — Ministry

First Term

Laboratory Science
Social Science
Language or Religion

Second Term

Laboratory Science
Social Science
Greek

Third Term

Science or Math
Philosophy of Religion
Greek

BIOLOGY

FRESHMAN YEAR

First Term

Biology 101
Chemistry 111
Math 131 or 141 or English 101

Second Term

Biology 102
Chemistry 112
English 101

Third Term

Chemistry 131
Graduation and Distribution Requirements (2)

SOPHOMORE YEAR

First Term

Biology 212 or 213
Physics 101 or 110
or Chemistry 211
Language 101

Second Term

Biology 311, 314, or 316
Physics 102 or 111
Language 101 or 102

Third Term

Distribution and Graduation Requirements(2)
Language 102 or 201
Biology 211, 214, 312, 313, or 317

BUSINESS ADMINISTRATION

FRESHMAN YEAR

Distribution Requirements
Mathematics 151 and 152
(if possible)

SOPHOMORE YEAR

Economics 200 (micro)
Economics 201 (macro)
Economics 203
Economics 204

CHEMISTRY

In their freshman year, chemistry majors should take either Chemistry 111, 112 and 131 or Chemistry 151 and 152, and Mathematics 131, 151 or 152 as determined by the Mathematics Department. The third course each term should cover graduation requirements and include English 101

Students registering for Chemistry 151 should have at least one year of high school chemistry and one and one-half years of high school algebra with a grade of B or better. Eligibility for the course will be determined by tests given during orientation week.

CLASSICAL LANGUAGES — LATIN MAJOR OR CLASSICS MAJOR

Students who have had three or four years of Latin in high school may start 300-level Latin courses in the freshman year. Latin 102 is a quick review course for students with one or two years of Latin in high school who need extensive review before beginning to study Vergil.

FRESHMAN YEAR

First Term
English 101
Laboratory Science
Latin 102 or Bible

Second Term
English 102
Laboratory Science
Latin 204

Third Term
Music, Art, or Theater Arts
Speech 101
Latin 205

SOPHOMORE YEAR

First Term
Science or Mathematics
Latin
History, Literature, or Philosophy

Second Term
Latin
Social Science
History, Literature, or Philosophy

Third Term
Latin or an elective
Social Science
Classics 211 or 221

ECONOMICS

FRESHMAN YEAR

Distribution Requirements
Mathematics 151 and 152
(if possible)

SOPHOMORE YEAR

Economics 200 (micro)
Economics 201 (macro)
Economics 311
Mathematics 106

EDUCATION

FOUR-YEAR PROGRAM FOR STUDENTS PREPARING FOR ELEMENTARY SCHOOL CERTIFICATES

FRESHMAN YEAR

First Term

English 101, Composition
Elective (Foreign Language)
Elective (Natural Science)
Elective (Physical Education)

Second Term

English 102, Literature
Foreign Language
Natural Science
Elective (Physical Education)

Third Term

Speech 101, Fundamentals
Foreign Language
Elective (Bible or Religion)
Elective (Physical Education)

JUNIOR YEAR

First Term

Major
Mathematics 110, Essentials I
Education 301, Teaching of Reading

Second Term

Major
Mathematics 111, Essentials II
Education 326, Children's
Literature & Art

Third Term

Major
Elective (History)
Education 304, Teaching of Science

SOPHOMORE YEAR

First Term

Elective (major)
Foreign Language
Psychology 101, Introduction
Elective (Physical Education)

Second Term

Major
Education 201, Educational Psychology
Elective (Sociology)
Elective (Physical Education)

Third Term

Major
Education 202, Guidance, Tests &
Measurements
Elective (Literature or Philosophy)
Elective (Physical Education)

SENIOR YEAR

First Term

Education 401-2, Student teaching
Major, Seminar
or Independent Study

Second Term

Elective (Literature or Speech)
Elective (History 313 or Philosophy 211)
Music 312, Music for Elementary
Teachers

Third Term

Elective (Social Science)
Elective
Elective

FOUR-YEAR PROGRAM FOR STUDENTS PREPARING FOR HIGH SCHOOL OR SPECIAL CERTIFICATES

Guidelines for planning are found on page 56.

ENGLISH

FRESHMAN YEAR

First Term

English 101 or Speech
Language
Science or Bible

Second Term

English 101 or 102
Language or History
Science or Bible

Third Term

English 102 or Speech
Language or History
Science or Bible

*If student plans to teach.

SOPHOMORE YEAR

First Term

English
(Psychology 101* or Sociology
or Economics)
Art or Music

Second Term

English
(Education 201* or Science
or Mathematics)
Philosophy or History

Third Term

English
(Education 202* or course
in major field)
Government

GEOLOGY

FRESHMAN YEAR

First Term

Geology 101
Math 151
Speech or Humanities Elective

Second Term

Geology 102
Mathematics 152
English 101

Third Term

Social Science
Mathematics 251
Humanities Elective

SOPHOMORE YEAR

First Term

Geology 212 or 221
Chemistry 111 or Biology 101
Speech or Humanities Elective

Second Term

Geology 302 or 304
Chemistry 112 or Biology 102
Social Science or Humanities Elective

Third Term

Geology 103
Art, Music, or Theater
Mathematics 252

GOVERNMENT

FRESHMAN YEAR

First Term

History 101*
Language
English or Government 103

Second Term

History 102*
Language
English

Third Term

Humanities Elective
Speech
Government 103 or English

*Unless taken in high school.

SOPHOMORE YEAR

First Term

Sociology
Language
Science

Second Term

Government 104
Language
Science

Third Term

Economics
Psychology
American History

HISTORY

FRESHMAN YEAR

First Term

History 101*
English 101 or Speech
Language

Second Term

History 101 or 102
English 101 or 102
Language

Third Term

History 102 or 103
English 102 or Speech
Humanities Elective

SOPHOMORE YEAR

First Term

History 251
Language
Science

Second Term

History 252
Language
Science

Third Term

History (Elective)
Art, Music, or Theater
Philosophy or Literature

*And two courses in sequence

MATHEMATICS

Freshmen intending to major in mathematics should take three terms of mathematics, beginning with Math 151, if possible, or 131; English 101, and Speech 101; Language or Physics 110 and 111; distribution and graduation requirements to fill out the schedule.

MODERN FOREIGN LANGUAGES

The student who wishes to major in a modern language will ordinarily have studied the language in high school so that he can by a placement exam, begin his college work at the intermediate level. If the student wants to major in a language he has not studied before, a special program must be planned which will probably include summer school in a country where the language is spoken.

The following program anticipates a term at a foreign university or the junior year at a European university.

FRESHMAN YEAR

First Term

Intermediate Language
English 101
History 101

Second Term

Intermediate Language
English 102
History 102

Third Term

Speech or Humanities Elective
Art, Music, or Theater
Language 299 or 300

SOPHOMORE YEAR

First Term

Language 300
Humanities Elective
Science 101

Second Term

Language 300
Second Language 101
Science 102

Third Term

Second Language 102
Science or Mathematics
Psychology or Economics
Language 320

The following program is designed for students who plan to teach at the secondary school level. Those interested in teaching a foreign language in the elementary school should consult the Education and Modern Foreign Language Departments. In either case, the Master of Arts in Teaching degree is recommended. It is also advisable to participate in the ACM Urban Education program.

FOREIGN LANGUAGE TEACHING MAJOR

FRESHMAN YEAR

First Term
Intermediate Language
English 101
History 101

Second Term
Intermediate Language
English 102
History 102

Third Term
Speech or Humanities Elective
Art, Music, or Theater
Language 299 or 300

SOPHOMORE YEAR

First Term
Language 300
Psychology 101
Science 101

Second Term
Education 201
Science 102
Second Language 101

Third Term
Education 202
Science or Mathematics
Second Language 102
Language 300

MUSIC

FRESHMAN YEAR

First Term
Music 102
English
Language
Applied Music

Second Term
Music 103
English
Language
Applied Music

Third Term
Music
Speech
Language
Applied Music

SOPHOMORE YEAR

First Term
Music 202
Language
Science
Applied Music

Second Term
Music 204
Social Sciences
Science
Applied Music

Third Term
Humanities Elective
Social Science
Science
Music 205

Language courses could be deferred until the sophomore year, in which case science would be taken in the freshman year.

PHILOSOPHY

Students should plan their courses to meet distribution and graduation requirements during the first two years, including Philosophy 101 and 102 in the freshman year and Philosophy 210 and 213 in the sophomore year.



PHYSICAL EDUCATION

FRESHMAN YEAR

First Term

Language
English
Biology

Second Term

Language
English
Biology

Third Term

Language
Psychology
Speech

SOPHOMORE YEAR

First Term

Rhythrical Activities
Team Sports (Women)
American History or Government (Men)
Language

Second Term

Elementary School Physical Education
Education 201
Humanities Elective

Third Term

Individual Sports
Education 202
Health Education

PHYSICS

FRESHMAN YEAR

First Term

English 101
Mathematics 151
Physics 211 or Art, Music
or Theater

Second Term

Humanities Elective or Social Science
Mathematics 152
Physics 110

Third Term

Mathematics 251
Physics 111
Speech 101

SOPHOMORE YEAR

First Term

Mathematics 252
Physics 208
Physics 112

Second Term

Humanities Elective or Social Science
Foreign Language
Physics 210

Third Term

Foreign Language
Mathematics 254
Physics 212

THREE-TWO COOPERATIVE ENGINEERING PROGRAM

FRESHMAN YEAR

First Term

English 101
Mathematics 151
Art, Music or Theater

Second Term

English 102
Mathematics 152
Physics 110

Third Term

Mathematics 251
Physics 111
Speech 101

SOPHOMORE YEAR

First Term

Physics 112
Mathematics 252
Physics 208

Second Term

Social Science
Foreign Language
Physics 210

Third Term

Humanities Elective or Social Science
Foreign Language
Mathematics 254
Engineering 101

PSYCHOLOGY

FRESHMAN YEAR

First Term

English 101
Biology 101
Language

Second Term

Humanities Elective
Biology 102
Language (or Psychology
101 if Language Requirement
already met)
Mathematics 103

Third Term

Language or Speech 101
Psychology 101 or other
Social Science Requirement
Mathematics 106

SOPHOMORE YEAR

First Term

Language or Humanities Elective
Psychology 201
Music, Art, or Theater

Second Term

Psychology 202
Humanities Elective
Any other Distribution
Requirement

Third Term

Natural Science or Mathematics
Requirement
Psychology 204, 223, 224, or 225
Sociology

SOCIOLOGY

In addition to meeting college distribution requirements during the first two years, students should schedule at least three sociology courses at the sophomore level including Sociology 210. Biology and elementary statistics are strongly recommended. Other recommended fields are history, government, economics, psychology, and religion.

SPEECH

FRESHMAN YEAR

First Term

Speech 101
Science
Language
Debate or Theater*

Second Term

English
Science
Language
Debate or Theater*

Third Term

English
Speech 102
Language, Art, or Music
Debate or Theater*

*Fractional credit

SOPHOMORE YEAR

First Term

Speech 215
Psychology 101
Language
Debate or Theater*

Second Term

Speech 221
Philosophy, History, or
Literature
Social Science
Debate or Theater*

Third Term

Philosophy, Literature, or
History
Speech 322
Science or Mathematics
Debate or Theater*

COURSES OF INSTRUCTION

Students are urged to note the requirements listed for each academic department and consult with their faculty adviser and the department concerned for more specific information. Departments and the courses which they offer are listed alphabetically.

Prerequisites or co-requisites for a course, if any, are listed following the course description. Courses numbered 100 to 199 normally are introductory courses open to freshmen; 200-level courses are intermediate courses open to sophomores but not to freshmen; 300-level courses are advanced courses open only to juniors and seniors or to sophomores with the consent of the instructor; 400-level courses are departmental seminars and independent study courses. Fractional courses are offered in art, music and speech and dramatics.

A detailed schedule of courses listing the instructor, time and classroom is issued each spring for pre-registration information. Courses may be withdrawn if there is not sufficient demand in any given term.

ART

H. RLOW B. BLUM, Associate Professor, Chairman

MAKTHA H. HAMILTON, Assistant Professor

GEORGE L. WALTERSHAUSEN, Instructor

G. E. BOONE, Lecturer

KATHARINE P. BOONE, Lecturer

DEPARTMENTAL MAJOR

- (a) Emphasis in studio art: At least ten term courses in art including four studio courses, three courses in art history, one in independent study, one in design, and Art Seminar 450.
- (b) Emphasis in art history: At least three courses in Art History beyond 107, two in independent study, Art Seminar 450, and two courses in studio art.

ART HISTORY

103. Art Appreciation.

A course for the general student, emphasizing increased perception of the formal elements of visual art—line, form, color and texture—with which one comes in contact every day. Included also are the theory and criticism of visual art. Open primarily to non-art majors.

105. Introduction to the History of Art.

A study of the major phases and works of art in painting, sculpture, and architecture from Prehistoric through Byzantine styles.

106. Introduction to the History of Art.

A study of the major phases, works of art, and personalities from Medieval through Baroque.

107. Introduction to the History of Art.

A study of the major phases, works of art, and personalities covering the 18th, 19th, and 20th Centuries.

205. Introduction to the History of Indian Art.

Survey of Indian art from the Indus Valley civilization through the early Hindu dynasties, including a review of the Buddhist and Hindu traditions of Indian art and a brief survey of the post-Hindu styles.

(alternate years)

206. Introduction to the History of Chinese Art.

Survey of Chinese art from Prehistoric times through the Ching dynasty (1644-1911) with emphasis on those works which affected Japanese art.

(alternate years)

207. Introduction to the History of Japanese Art.

Survey of Japanese art from the Prehistoric period through the Tokugawa Period (1614-1898). Attention is given to the influences of Chinese and Western art with emphasis on the evolution of a unique Japanese style.

(alternate years)

300. Art and Architecture in Washington.

A study pursued in Washington, D. C., utilizing the cultural resources of the area.

321. Architecture.

Ancient, Medieval, and Renaissance architecture is used as a basis for appraising contemporary architecture.

322. Contemporary Art.

A study of twentieth century painting and sculpture with emphasis on the art in America. Prerequisite: Art 107 or consent of instructor.

331. European Renaissance.

Great figures in important centers in the Renaissance. Prerequisite: Art 106 or consent of instructor.

(alternate years)

332. Middle Eastern Art.

The art of the Middle East from prehistoric through Islamic periods. Special emphasis upon the major Islamic developments in Iran and Turkey and their influences on European art.

SEMINARS AND INDIVIDUAL STUDY

320, 325. Junior Independent Study.

An individual research program arranged in consultation with the instructor and designed to fit the interests of the student.

350. Seminar in Oriental Art.

Introduction to the arts of China, Korea, and Japan, illustrated with examples from the Boone Collection.

420. Senior Independent Study.

An individual research program arranged in special interest areas of the student.

450. Art Seminar.

Art criticism, teaching methods, and techniques, and other specialized art topics offered only to senior art majors or by special permission.
(alternate years)

STUDIO COURSES

Art studio courses may be taken for either fractional or whole course credit, depending upon the number of class hours taken. Students will receive one-half course credit for each term in which they are enrolled in a studio art course which meets six hours. Students electing to enroll for a whole course credit must be able to take twelve hours of class work.

If a student decides to take a half course, he registers for any of the following courses: Art 151, 201, 221, 241, 251, 301, 341, 351, or 451. To take the second half of any of these studio course sequences, the student will enroll in the corresponding studio course: Art 152, 202, 222, 242, 252, 302, 342, 352, or 452.

If a student decides to take a studio course for a whole course, he registers for both half courses simultaneously; i.e., Art 151, 152. All require twelve hours of work. Art 211 is given whole course credit.

151, 152. Fundamentals of Drawing.

Introducing the beginning student to a variety of media: charcoal, conte, ink, pastel and watercolor. Theory and practice in the elements of drawing with the emphasis on creative expression.

201, 202. Beginning Printmaking.

A studio course emphasizing the basic techniques of printing in the development of the fine print. The study and making of etchings, engravings, serigraphs, and woodcuts. Prerequisite: Art 151 or consent of instructor.

211. Design.

Fundamental elements and principles of two- and three-dimensional design emphasizing aspects of visual expression.

221, 222. Advanced Drawing.

The development of drawing techniques.

241, 242. Beginning Sculpture.

Introducing the theory and practice of three-dimensional techniques using clay, plaster, and other materials.

251, 252. Beginning Painting.

An introduction to synthetic and oil painting media, painting techniques, composition and analysis. Emphasis on individual expression. Prerequisite: Art 151 or consent of instructor.

301, 302. Advanced Printmaking.

Prerequisite: Art 202.

341, 342. Advanced Sculpture.

Practice in three-dimensional composition concentrating on permanent materials with an emphasis on individual expression and self-criticism.

351, 352. Composition and Painting.

Composition practice, analysis, and painting techniques with emphasis on the creative formal elements. Prerequisite: Art 252.

451, 452. Advanced Composition.

Individual creative work in painting, sculpture, or graphic arts. Prerequisite: Art 302, 342, 352.

The following course is available to Monmouth students at Knox College:

Ceramics.

BIBLE AND RELIGION

CHARLES J. SPEEL II, *Professor, Chairman*

J. STAFFORD WEEKS, *Associate Professor*

PAUL H. McCLANAHAN, *Chaplain, Assistant Professor*

HAROLD J. RALSTON, *Professor (Department of Classics)*

DEPARTMENTAL MAJOR

A minimum of eight term courses.

BIBLE

101. Bible Survey.

A survey of the Old and New Testaments.

201. Old Testament Problems.

A study of the Old Testament, including literature, religion, and theology.

212. New Testament Problems.

A study of the New Testament material, including literature and religious thought.

301. Archaeology and the Bible.

The bearing of archaeological and historical investigations on the life and literature of the Old and New Testaments, along with a study of the relationship of neighboring cultures.

RELIGION

101. Basic Beliefs.

The major teachings of the Christian faith with special emphasis on contemporary Christian thought.

203. Christian Ethics.

A study of Christian ethics with particular attention to the ethical problems of today. Guest speakers, specialists in the professional and business world, speak to the class to assist in making the course relevant.

205. Catholic Doctrine.

A study of the teachings and practices of the Roman Catholic Church, currently and historically. The course is taught by a Catholic clergyman assisted by the chairman of the department of Bible and Religion.

213. Philosophy of Religion.

See Philosophy 213.

301. Church History to 1450.

The Christian church from the time of Christ to A.D. 1450, including a study of Christian doctrine, church organization, significant ecclesiastical movements, and outstanding church leaders.

307. New Testament.

See Classical Languages (Greek) 307.

308. New Testament.

See Classical Languages (Greek) 308.

312. Church History from 1450 to the Present.

The Christian church from A.D. 1450 to the present, including a study of doctrine, organization, ecclesiastical movements, and church leaders.

321. World Religions.

A study of non-Christian religions, both past and present, with particular emphasis upon the origins, history, and thought of Hinduism, Jainism, Zoroastrianism, Sikhism, and Islam.

322. World Religions.

A study of non-Christian religions, both past and present, with particular emphasis upon the origins, history, and thought of Buddhism, Taoism, Confucianism, and Shinto.

SEMINARS AND INDIVIDUAL STUDY**333. Christian Education.**

Introduction to the use of the Bible, forms of worship, and methods of teaching and administration in Christian Education. Guest speakers, who are experienced specialists, will be included.

351. Field Work in Christian Education.

A supervised program of practical experience in connection with Christian education programs at local churches. Open only to sophomores, juniors and seniors. Departmental consent required. Prerequisite or co-requisite: Religion 333.

401. Seminar.

Open to sophomores, juniors, and seniors, subject to the consent of the department. Topics, which vary as the course is offered, include: ecumenics and the encounter with non-Christians, Islamics, the role of religion in the Middle East and Africa, Buddhism, and church and state.

412. Reading Course.

On problems of interest to the student. Open only to students who include Bible and Religion in their field of concentration.

423. Thesis Course.

On a subject of the student's own choosing. Open only to students who include Bible and Religion in their field of concentration.

The following courses are available to Monmouth College students at Knox College:

Judaism, Catholicism and Protestantism.

Contemporary Theological Thinking.

BIOLOGY

ROBERT H. BUCHHOLZ, *Professor, Chairman*

JOHN J. KETTERER, *Professor*

DAVID C. ALLISON, *Associate Professor*

MILTON L. BOWMAN, *Associate Professor*

BENJAMIN F. COOKSEY, *Instructor*

DEPARTMENTAL MAJOR

A minimum of eight term courses in biology in addition to Biology 101-102 and including (a) any two of the following: Biology 211, 212, 213, 214; (b) either Biology 311 or 312; (c) Biology 316, 317 and 401; (d) one of the following: Biology 405, 406, 407. The following courses in the fields of chemistry and physics are required: (a) Chemistry 131 and Chemistry 211; (b) two terms of Physics 101-102 or Physics 110-111. A strong background in mathematics is recommended.

101. College Biology.

An introduction to biology covering the organization of living organisms, their general physiology, morphology, embryology, genetics, evolution, and ecology. Appropriate animal and plant forms are studied in both lecture and laboratory. Open to all students.

102. College Biology.

Continuation of Biology 101. Prerequisite: Biology 101.

211. Invertebrate Zoology.

A study of the morphology, physiology, life histories, and the ecological and evolutionary relationships of invertebrate animals. Representatives of the major taxa are studied in the laboratory. Prerequisite: Biology 102 or consent of the instructor.

212. Vertebrate Zoology.

A study of the morphology, physiology, life histories, and the ecological and evolutionary relationships of vertebrate animals. Representatives of the major taxa are studied in the laboratory. Prerequisite: Biology 102 or consent of the instructor.

213. Non-Vascular Plants.

A study of the non-vascular plants exclusive of the bacteria. Particular consideration will be given to the structure and life cycles of the algae, fungi, mosses, and the liverworts. Prerequisite: Biology 102 or consent of the instructor.

214. Vascular Plants.

A study of the ferns, conifers, and flowering plants. Emphasis will be placed on the structure and life cycles of these groups of plants. Prerequisite: Biology 102 or consent of the instructor.



215. Organic Evolution.

An introduction to the concept of organic evolution including a critical review of the theories and mechanisms of evolution and the evidence upon which they are based; the problems of the origin of life; and the evolutionary history of animals and plants. Prerequisite: Biology 102 or consent of the instructor. (alternate years)

311. Mammalian Physiology.

A detailed study of the physiological mechanisms of the mammalian systems. Prerequisites: Two of the following courses: Biology 211, 212, 213, 214; one term of organic chemistry; or consent of the instructor.

312. General Physiology.

A study of the fundamental concepts and basic principles of protoplasmic processes in plant, animal, and microbial cells. Prerequisites: Two of the following courses: Biology 211, 212, 213, 214; one term of organic chemistry; or consent of the instructor.

313. Developmental Biology.

A descriptive and experimental study of development and differentiation in plants and animals. Prerequisites: Two of the following courses: Biology 211, 212, 213, 214; Chemistry 112; or consent of the instructor.

314. Bacteriology.

A general study of the bacteria as living organisms. Morphology, physiology and ecological relationships are emphasized. Some consideration is given to the nature of disease and its control. Prerequisites: Two of the following courses: Biology 211, 212, 213, and 214 or consent of the instructor. (alternate years)

315. Cell Morphology.

A morphological study of the ultra and fine structure of the cell. Consideration of cellular interdependence at the tissue level will be undertaken. Abilities in micro-technique will be developed in the laboratory. Prerequisites: Two of the following courses: Biology 211, 212, 213, and 214 or the consent of the instructor.

316. Genetics.

An introduction to the principles of heredity in animals and plants. The study will include contemporary consideration of the gene and the gene mechanisms. Laboratory exercises utilizing both plants and animals will be used to elucidate the above principles. Prerequisites: Two of the following courses: Biology 211, 212, 213 and 214 or consent of the instructor.

317. Ecology.

An introduction to ecology designed to give the student an understanding of the principles and concepts of environmental interrelationships and interactions with living organisms. Prerequisites: Two of the following courses: Biology 211, 212, 213 and 214 or consent of the instructor.

SEMINARS AND INDIVIDUAL STUDY**401. Seminar.**

Readings and discussions on selected topics designed to relate the knowledge from the several branches of biology to the whole of biological knowledge and to other learned disciplines from an historical and current problems point of view. Open to senior biology majors.

405, 406, 407. Independent Study.

Individual research or advanced experimental projects chosen by the student in consultation with the staff, involving the search of primary literature sources, design and execution of experiments, and an oral and written report of the results. Open to senior biology majors.

The following courses are available to Monmouth students at Knox College:

Plant Physiology.

Plant Classification.

CHEMISTRY

QUENTIN R. PETERSEN, *Professor, Chairman*

PAUL A. BARKS, *Assistant Professor*

THOMAS A. BEINEKE, *Assistant Professor*

DAVID E. DUNHAM, *Assistant Professor*

BERWYN E. JONES, *Assistant Professor, (On Leave 1969-1970)*

KEVIN J. WEIDENBAUM, *Assistant Professor*

Monmouth College is included in the list of institutions approved for undergraduate training of chemists by the American Chemical Society.

DEPARTMENTAL MAJOR

- (a) A departmental major shall consist of the following courses: Chemistry 111 and 112 (151 will satisfy this sequence); 131 or 152; 211; 212; 311; 403 or 404; and one additional course numbered 200 or higher. The following courses are prerequisites for Chemistry 311 which is a required course for all majors in chemistry: Physics 110, 111 and Mathematics 151, 152.
- (b) Students wishing to complete teacher certification requirements in chemistry shall complete ten term courses in chemistry including the requirements for the departmental major.
- (c) Students wishing to be certified by the American Chemical Society should take the following courses in addition to those courses numbered in part (a) above: Chemistry 251, 312, 331, 341; Mathematics 251 and 252; and at least one additional term course chosen from Chemistry 351, 403, or 404, Mathematics 254 or more advanced, Physics 208 or more advanced, and Biology 311 or more advanced.
- (d) All majors will be expected to attend departmental seminars given by students, staff members, and visiting scientists. In addition, all majors are required to participate in the departmental independent reading program throughout their sophomore and junior years.
- (e) All majors will be required to pass a comprehensive examination given during the senior year. The comprehensive examination will consist of a written examination and the Chemistry Graduate Record Examination. An oral examination may be added at the discretion of the department.
- (f) A reading knowledge of German or Russian is required of all chemistry majors. Satisfactory completion of German 201 or Russian 201 meets this requirement.

111. Introductory Chemistry.

Atomic and molecular structure, properties and reactions of selected elements and of inorganic and organic compounds, and elementary chemical calculations. Laboratory: a study of chemical and physical properties of substances considered in class. Open to all students.

112. Introductory Chemistry.

A continuation of 111. Prerequisite: Chemistry 111 or permission of the department.

131. Introduction to Analytical Chemistry.

A survey of chemical equilibrium, gravimetry, titrimetry, spectrophotometry, electrochemistry, chromatography, and separations. Prerequisite: Chemistry 112 (or Chemistry 151 by permission of the department).

151. Fundamentals of Chemistry.

Atomic and molecular structure, stoichiometry, periodicity, kinetics and equilibrium, acid-base and redox systems. The laboratory consists of qualitative analysis and other appropriate experiments. Prerequisite: permission of the department.

152. Fundamentals of Analytical Chemistry.

A rigorous treatment of the principles of chemical equilibrium and quantitative analysis, with emphasis on separations, gravimetry, and titrimetry. Prerequisites: Chemistry 151 (or Chemistry 112 by permission of the department).

211. Organic Chemistry.

An application of the concepts of bonding, structure and reactivity to the most fundamental types of carbon compounds. The laboratory work introduces the principal manipulative techniques of organic chemistry through appropriate syntheses. Prerequisites: Chemistry 112 or 152, or permission of the instructor.

212. Organic Chemistry

A continuation of Chemistry 211 which considers additional classes of organic compounds and the more intricate relationship between structure and reactivity as expressed in mechanistic terms. The laboratory stresses the chemical behavior of the major functional groups. Prerequisites: Chemistry 211, or permission of the instructor.

251. Organic Chemistry.

An extensive and sophisticated study of polyfunctional organic compounds, including materials of natural origin, such as carbohydrates, proteins, etc. The laboratory consists of qualitative analysis of organic compounds and mixtures using classical and instrumental techniques. Prerequisites: Chemistry 212 or permission of the instructor.

311. Physical Chemistry

First, second, and third laws of thermodynamics, thermochemistry, phase equilibria, chemical equilibria, the gaseous state, properties of liquids and solutions, electrochemistry. The laboratory is correlated with the lecture material. Prerequisites: Chemistry 131 or 152, Mathematics 152 and Physics 111.

312. Physical Chemistry.

Kinetic molecular theory of gases, chemical kinetics, theory of reaction rates, chemical applications of quantum mechanics, structural chemistry, electric and magnetic properties of molecules. The laboratory is correlated with the lecture material. Prerequisites: Chemistry 311, Mathematics 251 and Physics 112 or permission of the instructor.

331. Advanced Analytical Chemistry.

A rigorous study of the principles and practice of modern quantitative chemical analysis, including instrumental methods. Sampling, quantitative separations, statistical treatment of data; and electrochemical methods of determination. The laboratory is correlated with the lecture. Prerequisites: Chemistry 212, 311 (may be taken concurrently by permission of the department).

341. Advanced Inorganic Chemistry.

A study of atomic structure and chemical bonding, solvent systems, acid-base theories, and the chemistry of selected elements including the transition metals. Selected techniques in synthetic inorganic chemistry are introduced in the laboratory. Prerequisite: Chemistry 311.

351. Advanced Topics in Chemistry

A discussion of advanced topics in chemistry. The laboratory is correlated with the lecture material. Prerequisite: Chemistry 311.

403. Research

The study of an original research project chosen in consultation with the chemistry staff. Open only to senior chemistry majors.

404. Independent Studies.

Offered by special arrangement.

CLASSICAL LANGUAGES

HAROLD J. RALSTON, *Professor, Chairman*

BERNICE L. FOX, *Associate Professor*

DEPARTMENTAL MAJOR IN LATIN

- (a) A minimum of eight courses in Latin above the level of 200 courses, and including an independent study course in prose composition.
- (b) A course in ancient history and at least two terms of Greek.
- (c) Between the junior and senior year, Latin majors have a three-week summer program available, but not required. Two weeks are spent with the Vergilian Society at Cumae, Italy, with trips to Pompeii and Naples and one week in Rome.

DEPARTMENTAL MAJOR IN CLASSICS

- (a) A minimum of either three terms of Latin above the 200 level or three terms of Greek; plus two terms of the language not chosen as the primary language; plus two courses from Classics 211, 221, 224, and a course in independent study taken within the department.
- (b) At least four courses in one or two closely related fields, including History 311 and 312.

LATIN

101. Elementary Latin.

A study of grammar and syntax. Designed for the student beginning the study of Latin.

102. Elementary Latin.

A continuation of Latin 101, completing the syntax and starting the reading of Latin authors.

103. Latin Grammar.

A rapid survey of elementary Latin grammar and syntax with easy readings from Latin authors. Prerequisite: one year of high school Latin or permission of instructor. Cannot be used to satisfy the language requirement.

204. Vergil's "Aeneid."

Prerequisite: two years of high school Latin or Latin 102 or 103.
(alternate years)

205. Cicero.

Selections from the Orations and Essays. Prerequisite: two years of high school Latin or Latin 102 or 103.
(alternate years)

301. Livy's "Histories."

Emphasis on the early kings and the Carthaginian Wars. Prerequisite: three years of high school Latin or the equivalent.
(alternate years)

302. Tacitus and Suetonius.

The period of the Twelve Caesars, with special study of the periods of Augustus and Nero. Prerequisite: see Latin 301.
(alternate years)

303. Pliny's "Letters."

Special study of Roman private life at the time of Pliny. Prerequisite: see Latin 301
(alternate years)

310. Roman Drama.

Studies in Plautus and Terence. Prerequisite: see Latin 301.
(alternate years)

311. Latin Lyric Poetry.

Readings from Catullus, Ovid, and Horace. Prerequisite: see Latin 301.
(alternate years)

312. Roman Satire.

A study of the satires of Horace and Juvenal and the epigrams of Martial. Prerequisite: Latin 301.
(alternate years)

401. Independent Study.

Individual research problems in language or literature under guidance of the instructor.
Advanced students only.

435. Teachers' Course in High School Latin.

For advanced students who desire recommendation as Latin teachers.

GREEK

101. Elementary Greek.

A study of Greek grammar and acquisition of vocabulary.

102. Elementary Greek.

Continuation of the study of Greek grammar, with translations from Xenophon's *Anabasis* or other selected readings.

201. Greek Reading.

Selections from Plato's *Apology* and *Crito* or from the Greek historians, Septuagint, Apocrypha, or non-literary papyri.
(alternate years)

202. Greek Reading.

Continuation of 201.
(alternate years)

307. New Testament.

Forms, syntax, and reading. Prerequisite: Greek 101-102.
(alternate years)

308. New Testament.

Textual and word studies and more difficult reading.
(alternate years)

401. Independent Study.

Advanced individual study of grammar or reading under direction of the instructor.

CLASSICAL CIVILIZATION

(Given in English. No foreign language prerequisite.)

211. Classical Archaeology.

A study of more important Greek and Roman antiquities from the Minoan civilization in Crete to late Roman times. Text and library readings, supplemented by slides taken in Italy, Greece, and Asia Minor.

221. Classical Mythology.

A study of classical myths, especially as they relate to English literature. No prerequisites.

224. Word Elements.

Intended to aid in mastering general and technical derivatives from Greek and Latin stems. No previous study of these languages required.

EAST ASIAN STUDIES PROGRAM

CECIL C. BRETT, *Director, Associate Professor of Government and History*
(*On Leave 1969-1970*)

DOUGLAS R. SPITZ, *Assistant Professor of History, Acting Director*

Students wishing to explore the area of East Asia can either major in a related field and take courses in the East Asian Studies series or select a topical major with concentration in East Asian course work. The program for the topical major must be approved by the Curriculum Committee and the director of the East Asian Studies program. Students

with an interest in Asia may study for a summer or for an academic year in various Asian universities.

101, 102, 103. Elementary Japanese.

See Modern Foreign Languages, Japanese 101, 102, 103.

201, 202. Intermediate Japanese.

See Japanese 201, 202.

315. Japanese Literature in Translation.

See Japanese 315, English 315.

320. Individual or Group Study.

See Japanese 320.

205. Art of India.

See Art 205.

206. Art of China.

See Art 206.

207. Art of Japan.

See Art 207.

350. Seminar in Oriental Art.

See Art 350.

343. Foreign Governments III, The Far East.

See Government 343.

381. International Politics of the Far East.

See Government 381.

201. Oriental Civilization I.

See History 201.

202. Oriental Civilization II.

See History 202.

203. Oriental Civilization III.

See History 203.

301. Modern China.

See History 301.

302. Modern Japan.

See History 302.

303. Modern India.

See History 303.

306. Oriental Philosophy.

See Philosophy 306

321. World Religions I.

See Religion 321.

322. World Religions II.

See Religion 322.

203. Societies Around the World.

See Sociology 203.

406. Contemporary Society: The Far East.

See Sociology 406.

ECONOMICS AND BUSINESS ADMINISTRATION

JAMES R. HERBSLEB, *Professor, Chairman*

GENE LOHRKE, *Assistant Professor*

HELENE L. GANN, *Instructor*

ISKANDAR NAJJAR, *Instructor*

HOMER L. SHOEMAKER, *Lecturer*

DEPARTMENTAL MAJOR

- (a) A major in economics must include the following courses: 200, 201, 300, 301, 305 306, 310, 311, 401, and Mathematics 106.
- (b) A major in business administration must include the following courses: 200, 201 203, 204, 307, 308, 320, 321, 322, 401, and Mathematics 106.

200. Principles of Economics.

Micro-economics. The two-term sequence (Economics 200-201) is designed to equip the student with a fundamental and rigorous understanding of the methods and objectives of economic analysis.

201. Principles of Economics.

Macro-economics. Prerequisite: Economics 200, or consent of instructor.

203. Principles of Accounting.

This course does not presume any previous training in bookkeeping. It gives thorough acquaintance with the principles of accounting as applied to the corporate form of business enterprise.

204. Principles of Accounting.

A continuation of Economics 203 with emphasis on the interpretation of accounts as applied to both corporations and partnerships. Prerequisite: Economics 203.

205. Intermediate Accounting.

Individualized study, usually in a seminar, in various fields of accounting such as budgeting, cost, taxation, etc. Prerequisite: Economics 204.



206. Advanced Accounting.

A continuation of 205. Prerequisite: Economics 204.

300. Intermediate Price Theory.

An intensive view of modern price theory as it applies to individuals, firms and resource owners and their interaction in markets characterized by both perfect and imperfect competition. Prerequisite: Economics 200-201.

301. Intermediate Income Analysis.

A comprehensive view of modern theories of the determination of income and employment. Includes discussion of both Keynesian and post-Keynesian developments in income theory. Prerequisite: Economics 200-201.

302. Business and Government.

A study of basic industrial organization as it is altered by government regulation, particularly the regulation of monopoly and unfair business practices as spelled out in the law. Prerequisite: Economics 200-201.

303. Government and Labor.

A study of labor economics and the changing position of labor before the courts and government regulation of labor unions. Prerequisite: Economics 200-201.

305. Money and Banking.

A study of the history and theory of banking and the problems of monetary and fiscal policy. Prerequisite: Economics 200-201.

306. International Economics.

Analysis of our economic relations with other nations, relating to governmental policies in the area of trade and including economic development. Prerequisite: Economics 200-201.

307. Business Law.

An introduction to the development of our legal system and the organization of our courts. Involves analysis of cases and application of principles with a view to the appreciation of the involvement and development of law in our society. Prerequisite: Economics 200-201.

308. Business Law.

A continuation of Economics 307, extending the analysis of the law into the realm of business organizations and property. Prerequisite: Economics 307.

310. Public Finance.

A study of the financing of government operations, including the problem of fiscal policy. Prerequisite: Economics 200-201.

311. History of Economic Thought.

A study of the development of major economic thought and doctrines. Emphasis upon Mercantilists, Physiocrats, Classical School, Adam Smith, J. S. Mill, Alfred Marshall, J. B. Clark, Thorstein Veblen, J. A. Hobson, J. M. Keynes, and others. Prerequisite: Economics 200-201.

320. Investments and Finance.

Analysis of the various types of investment securities from the viewpoint of the investor, with attention to methods of corporation finance. Prerequisite: Economics 200-201, 204.

321. Principles of Management.

Study of general principles of business management with emphasis on transferability of management principles to all phases of business. Prerequisite: Economics 200-201.

322. Marketing.

Principles and problems in wholesaling, retailing, advertising, chain stores and mail-order merchandising; study of buying motives and commodity markets; methods in buying, selling, transportation, storage, pricing, and credit extension. Prerequisite: Economics 200-201.

345. American Economic History.

An analysis of the American economy from colonial times to the present, stressing the development of economic institutions and a study of the changes taking place in the methods of production and organization of enterprise. Emphasis on quantitative aspects of history. Prerequisite: Economics 200-201.

401. Independent Study.

402. Seminar.

The following courses are available to Monmouth students at Knox College:

Mathematic Economics I (quantitative methods)

Mathematic Economics II (introduction to econometrics)

Transportation

Computer Applications

EDUCATION

BENJAMIN T. SHAWVER, *Professor, Chairman*

ALBERT C. NICHOLAS, *Professor*

CHARLES E. WINGO, *Professor*

MARYLOU EBERSOLE, *Instructor (part-time)*

JAMES L. CONLEY, *Lecturer (part-time)*

Courses in education are provided for students preparing to teach in elementary and secondary schools. Most of the students enrolling in education courses complete one of the following teacher preparation programs approved by the Illinois State Teacher Certification Board: Illinois Standard Elementary Certificate, Illinois Standard High School Certificate, or the Illinois Standard Special Certificate.

Students completing one of the State of Illinois approved programs will generally be able to qualify for certificates in other states. Advisers in the department of education are prepared to discuss the requirements of other states and steps to be taken in applying for certificates.



Elementary School Teacher Preparation Program.

A student completing the program outlined on page 30 and an A.B. degree at Monmouth College will be recommended to the Illinois State Certification Board under the approved program procedures for an Illinois Standard Elementary Certificate. This certificate is valid for teaching in grades kindergarten through nine in any public school district in Illinois except the city of Chicago.

High School Teacher Preparation Programs.

State of Illinois approved programs for the Illinois Standard High School Certificate are available in:

Art	Geology	Physics
Biology	German	Psychology
Chemistry	History	Sociology
Civics, Political Science	Latin	Spanish
Economics	Mathematics	Speech
English	Music	
French	Physical Education	

A student electing to complete preparation for the Illinois Standard High School Certificate, valid for teaching in grades six through twelve, fulfills departmental major, distributional (general education), professional education, and other requirements for the baccalaureate degree. The departmental major must include a minimum of eleven courses. High school certificate candidates should elect Psychology 101, in fulfilling one of the social science requirements, inasmuch as this course is a prerequisite for Education 201, and is also one of the courses of the approved program.

History 251, History 252, Government 103, or Government 104, should be elected in fulfilling, respectively, one of the humanities or one of the social sciences requirements, inasmuch as a specific course in American History or American Government is a requirement for an Illinois teaching certificate.

The professional education requirements include Education 201, Education 101, Education 302, or a special methods course with content related closely to the major field; History 313, or Philosophy 211, and Education 401-402.

Special Certificate Programs

State of Illinois approved programs for the Illinois Standard Special Certificate are available in Art, Music, and Physical Education. These certificates are valid for teaching in grades kindergarten through fourteen. The departmental major, distributional (general education), and graduation requirements are the same as for the Illinois Standard High School Certificates in Art, Music, and Physical Education. The professional education requirements are different in that for the special certificate in each major the methods study and student teaching are planned with reference to the grades covered by the certificate.

201. Educational Psychology.

A study of theories of learning involved in educative processes and practices. Special attention is given to physical, social, mental, and emotional growth and development. Developmental procedures in readiness and motivation are considered. Prerequisite: Psychology 101 or permission of the instructor.

202. Guidance, Tests and Measurements.

Includes study of basic principles of guidance; test construction, administration, and interpretation; and fundamental statistical methods applied to testing. A variety of tests are analyzed; their use in elementary and secondary schools is considered. Prerequisite: Psychology 101 or permission of the instructor.

301. Teaching of Reading and Other Language Arts.

A study of theories, practices, and techniques of teaching reading and other language arts. Prerequisites: Education 201 and 202 or permission of the instructor.

302. Secondary School Methods and Techniques.

A general methods course for high school teachers. This course includes a study of curriculum, unit and daily lesson planning, development of critical thinking, teaching for transfer, factors involved in discipline, and evaluation. Prerequisites: Education 201 and 202 or permission of instructor.

303. Teaching of Social Studies.

Methods, materials, and content with special emphasis on planning units. Especially for students preparing to teach social studies. Prerequisites: Education 201 and 202.

304. Teaching of Science.

A study of objectives, methods, and materials of science education. Plans to teach content from the natural sciences are made and implemented in elementary and high school classrooms. Prerequisite: a sequence of two terms in a laboratory science.

305. Individual or Group Study.

Study of special topics in education under the guidance of an instructor. Prerequisite: Approval of the chairman of the department. One-half to one course credit.

326. Teaching of Art and Children's Literature.

A lecture and laboratory course on problems of teaching art and literature in elementary classrooms. Prerequisite: junior or senior standing. Available on a half-course basis to students who have completed a course in children's literature and desire to enroll in the teaching of art, or vice versa.

400. Independent Study.

Investigation of special topics relevant to teaching and teacher preparation. Prerequisite: Approval of the chairman of the department.

401 & 402. Student Teaching.

Directed observation and supervised teaching in grades and/or subjects within the scope of the certificate sought. Each student works in a public school under the supervision of one or more cooperating teachers and a college supervisor from the Department of Education. Candidates for the special and high school certificates are supervised also by faculty representing their major fields. Prerequisite: Approval of Teacher Education Committee.

405. Urban Education Seminar.

A study of the objectives, organization, programs, and problems of schools in large urban centers. Registration limited to appointees to Urban Semester Program of the Associated Colleges of the Midwest.

Courses below are offered by other departments and cross-referenced by the Department of Education. Descriptions are found under the departments indicated.

English 430. Teaching of Secondary School English.

French 460. Methods of Teaching French.

German 460. Methods of Teaching German.

History 313. History of Education.

Latin 435. Teachers' Course in High School Latin.
Mathematics 110, 111. Essentials of Mathematics.
Music 312. Teaching Music in the Elementary Schools.
Philosophy 211. Philosophy of Education.
Physical Education 211. Elementary School Physical Education.
Psychology 225. Developmental Psychology.
Psychology 303. Abilities.
Psychology 305. Psychology of Learning.
Spanish 460. Methods of Teaching Spanish.

ENGLISH

R. JEREMY McNAMARA, *Associate Professor, Chairman*
ADELE KENNEDY, *Associate Professor*
RICHARD S. LEEVER, *Associate Professor*
GRACE H. BOSWELL, *Assistant Professor (On Leave 1969-1970)*
GARY D. WILLHARDT, *Assistant Professor*
MURRAY B. MOULDING, *Instructor*
JOHN C. GRAHAM, *Instructor*
CALVIN W. EVANS, *Instructor*
JANET W. DeYOUNG, *Instructor (part-time)*
LAURA B. MOFFET, *Instructor (part-time)*

DEPARTMENTAL MAJOR

It is expected that each major will work out a meaningful individual program with his adviser. This program must contain a minimum of nine courses beyond freshman English 101. A maximum of two survey courses (English 201, 202, 204, 205) can be counted toward the major. One of the courses must be at the 400 level (English 403, 410, 450, or 451).

101. Composition.

This course is devoted to the study and application of basic expository techniques. Weekly themes are written. Required of all freshmen.

102. Introduction to Literature.

An introduction to the analysis of poetry, drama, fiction.

Note: The general prerequisite for the following courses is English 101.

201. Survey of British Literature.

Major British writers from Chaucer to 1800.

202. Survey of British Literature.

Major British writers from 1800 to the present.

204. Survey of American Literature.

Major American writers from the colonial period to 1880.

205. Survey of American Literature.

Major American writers from 1880 to the present.

206. Poetry.

An intensive study of English and American poetry as a genre with emphasis on theme, structure, technique.

209. European Drama.

A study of drama as a type of literature and a critical reading of Continental plays from Aeschylus to Ibsen. Emphasis on the literary qualities and social significance of the plays.

210. Creative Writing.

Practice in the analysis of fictional and poetic forms and in the writing of fiction and poetry. Students who wish to enroll in this course should submit examples of their writing and obtain permission from the instructor.

211. Russian Literature in Translation.

A study of representative Russian novels and short stories by the major authors of the nineteenth and twentieth centuries (Chekhov, Dostoevski, Gogol, Pasternak, Sholokhov, Tolstoi, Turgenev) against the political and social backgrounds of their times.

215. Japanese Literature in Translation.

A study of selections from Japanese literature with special reference to Western impact on its development. See Japanese 315.

221. Classical Mythology.

See Classical Civilization 221.

Note: This course may be counted toward the fulfilling of the Humanities Divisional requirement, but not toward a major in English.

301. Modern British Prose.

Leading British writers and movements of the last thirty years.
(alternate years)

302. Chaucer.

A study of Chaucer's England, his language, and his writing, especially The Canterbury Tales.
(alternate years)

303. Medieval English Literature.

English literature, excluding Chaucer, to 1500.
(alternate years)

304. Romanticism in American Literature.

A study of selected poets and prose writers representative of American romanticism.
(alternate years)

305. Realism and Naturalism in American Literature.

A study of selected poets and prose writers representative of American realism and naturalism.
(alternate years)

307. The English Novel.

The English novel from the eighteenth century to the present.

308. The American Novel.

The development of the American novel from Cooper through Steinbeck with considerable attention to form, structure and narrative techniques.

309. Contemporary Literature.

A study of poetry and fiction from World War II to the present. Emphasis on American Literature.

310. Advanced Creative Writing.

One-third credit per term. Can be taken up to three times. Prerequisite: English 210 and permission of instructor.

313. The English Romantic Movement.

A study of British poetry and prose of the Romantic period.
(alternate years)

314. History of the English Language.

A study of the historical development of the English language, including some attention to internal history — sounds and inflections — as well as to external history — political, social, and intellectual movements and forces that have affected the development of the language at different periods.

315. Advanced Exposition.

Practice in the analysis of expository techniques and in the writing of expository prose, with special attention in conference to individual writing problems.

318. Victorian Literature.

A study of British poetry and prose of the Victorian period.
(alternate years)

321. Renaissance Poetry.

British poetry from Wyatt to Milton.
(alternate years)

322. Eighteenth Century Literature.

A study of British literature from 1700 to 1800.
(alternate years)

323. Restoration Literature.

A study of British literature from 1660 to 1700.
(alternate years)

351. Literature Criticism.

The major examples of literary criticism from classical times to the present.
(alternate years)

361. Shakespeare.

A study of the comedies and history plays.

362. Shakespeare.

A study of the tragedies and romances.

363. Renaissance Drama.

A study of British drama from 1580 to 1642.
(alternate years)

403. Modern Poetry: British and American.

A study of twentieth century British and American poetry. The course is conducted as a seminar with emphasis on literary movements and social significance. Prerequisite: senior standing and consent of the instructor.
(alternate years)

410. Modern Drama.

A study of Continental, British, and American drama from Ibsen to the present. Emphasis on major movements: Realism, Impressionism, Expressionism, Existentialism.
(alternate years)

430. Methods of Teaching English in the Junior and Senior High School.

A study of the basic approaches to the teaching of poetry, fiction and drama and their application in the classroom. Some attention will also be devoted to the teaching of grammar and composition. Prerequisites: completion of the required education courses, with the exception of student teaching, and consent of the instructor.

450. Individual Study in English Literature.

451. Individual Study in American Literature.

These two courses will be listed on the schedule with specific instructors. Students should make arrangements with the appropriate instructor as to the nature of their individual study projects before enrolling for these courses.

GEOLOGY

DONALD L. WILLS, Associate Professor, Chairman

LYMAN O. WILLIAMS, Associate Professor

GLEN K. MERRILL, Assistant Professor

DEPARTMENTAL MAJOR

- (a) A minimum of eight term courses in geology of which at least three must be at or above the 300 level.
- (b) It is recommended that a summer field course be taken prior to the senior year.
- (c) Teaching Major. A student desiring to obtain an Illinois State Standard High School Certificate for teaching must complete the requirements for a field of concentration in geology plus the required courses in the department of education.

101. Physical Geology.

An introduction to the science of the earth. Materials composing the earth and the work of agencies both external and internal modifying its surface. Laboratory and field trips to areas of geologic interest. Open to all students.

102. Historical Geology.

A comprehensive review of what is known and inferred about the history of the earth from its beginning to the present. Laboratory and field trips to areas of geologic interest. Prerequisite: Geology 101.

103. Hydrology.

Physical and chemical properties of water, interaction of water with the atmosphere, lithosphere and biosphere; water use and conservation. Material is presented by members of the biology, chemistry, and physics departments as well as by the geology staff. Prerequisite: completion of the two-term sequence in a laboratory science. (alternate years)

211. Introductory Petrology.

The chemistry and mineralogy of the important rock-forming minerals. Origin, occurrence and classification of the igneous, sedimentary and metamorphic rocks. Prerequisite: Geology 102. (alternate years)

212. Mineralogy.

Crystallography, crystal chemistry, and descriptive mineralogy; mineral occurrences, associations and uses. Prerequisite: Chemistry 101 or concurrent registration.

214. Problems in Field Geology.

Selected areas of geology are visited between the second and third terms to provide the student with actual field experience. Credit is given after two field programs have been completed or after the completion of one field program and a paper covering a specific problem initiated on the field trip. Prerequisite: Geology 101, 102, or permission of the instructor.

221. General Paleontology.

Fundamental treatment of the basic concepts of paleontology. Systematic consideration of morphology, taxonomy, and stratigraphic occurrences of invertebrate fossils.

302. Stratigraphy.

Principles of stratigraphy; genetic relations and correlation of rock and time rock units. Prerequisite: Geology 221 or consent of the instructor. (alternate years)

304. Optical Mineralogy.

A study of the behavior of light as it interacts with the atomic structure of crystals; isotropic, uniaxial and biaxial minerals are studied using the polarizing microscope. Prerequisite: Geology 212.

311. Structural Geology.

Character, classification, and origin of rock structure. Prerequisites: Geology 102, first-year physics. (alternate years)

322. Geomorphology.

Consideration of the fundamental concepts of the origin and development of land forms. One of the major tasks in the course will be to utilize quantitative methods of land form analysis. Prerequisite: Geology 102. (alternate years)

333. Paleoecology.

Interpretation of life habit of fossil organisms from skeletal morphology and associated depositional features; consideration of interrelationships of organisms with their physical and biologic environment; emphasis will be placed upon reconstruction of the original biotic communities from fossil evidence. Prerequisites: Geology 221 and 302 or consent of instructor.

404. Directed Study and Seminar in Igneous and Metamorphic Petrology.

Open only to juniors or seniors in geology.

405. Directed Study in Sedimentary Petrology.

Open only to juniors or seniors in geology.

406. Independent Study.

Readings in geology and a seminar; written preparation and oral presentation of papers.
Open only to seniors in geology.

The following courses are available to Monmouth students at Knox College:

Physiography of Eastern United States.

Physiography of Western United States.

X-Ray Diffraction and Fluorescence.

Geology Seminar.

GOVERNMENT

ROY M. McCLINTOCK, Associate Professor, *Chairman*

CECIL C. BRETT, Associate Professor (*On Leave 1969-70*)

CHI YUNG LIN, Assistant Professor

MYUNG CHEY, *Instructor*

DEPARTMENTAL MAJOR

(a) A minimum of eight courses, including Government 103 and 104, 341 or 342 or 343, 351 or 352, and 404.

103. Introduction to American National Government.

A study of the federal government and its constitutional development.

104. State and Local Government and Politics.

A study of the political institutions of the fifty states and their subdivisions (counties, townships, cities, etc.); also, the Constitution of Illinois, to meet one of the Illinois requirements for teachers. This course is a sequence to Government 103, although both can be taken independently.

300. Government in Action.

A study of the theory, structure and operation of the federal government through lecture, reading and directed observation in Washington, D.C.

302. Business and Government.

See Economics 302.

303. Government and Labor.

See Economics 303.

310. Public Finance.

See Economics 310.

311. Party and Pressure Politics.

A study of the problems and conduct of elections and primaries in the United States. Special studies are made of current political campaigns. Prerequisites: History 101 and 102 or Government 103 and 104 or History 251 and 252, junior standing or consent of the instructor.

(alternate years)

341. Foreign Governments, I.

A study of government and political activity in England, Canada, France, Germany, Italy, Switzerland, the Scandinavian countries. Prerequisites: History 102 or Government 103 or 104. Junior standing or consent of the instructor.

342. Foreign Governments, II.

A study of government and political activity in the USSR and selected countries of Latin America and Africa. Prerequisites: History 102 or Government 103 or 104. Junior standing or consent of the instructor.

343. Foreign Governments, III.

A study of government and political activity in China, Japan, and India and Asia in general.

351. Political Theory to the Eighteenth Century.

An historical survey and philosophical analysis of political theory from the time of the Greeks to the close of the seventeenth century. Required reading from the works of Plato, Aristotle, Machiavelli, Hobbes, and Locke. Prerequisite: Government 103 or 104.

352. Modern Political Theory.

A continuation of Government 351, from the beginning of the eighteenth century to the present. Required reading from Rousseau, Burke, Hegel, Mill and Communist, Fascist, and Socialist theorists. Prerequisite: Government 103 and 104.

360. Public Administration.

A study of the nature, scope, and development of the American administrative system, the theory of organization, staff and auxiliary agencies, chief executive, administrative departments, independent regulatory agencies, government corporations, administrative relationships, and science in administration. Prerequisite: Government 103 or 104. (alternate years)

361. Legislatures and Legislation.

A study of the legislative process, methods of getting information, public opinion, and special interest. Prerequisite: Government 103 or 104. Junior standing.

380. World Politics.

A study of states in relation to each other; as friends, rivals, contestants; the influence of nationalism, economic rivalry, power politics; causes of conflict, means of resolving conflict and avoiding war. Prerequisite: Government 103 or 104 or History 102.

381. International Politics of the Far East.

Background of Far Eastern international relations. World War II and its aftermath. Nationalism. The bi-polar conflict in Asia. The politics of neutralism or non-alignment. U.S. policy in Asia.

385. American Foreign Policy.

An analysis of the policy making process, the instruments of policy, and the world environment confronting American Foreign Policy makers in the periods since World War II. Prerequisite: Government 103, 104; and 380 or 381.
(alternate years)

395. American Constitutional Law I.

A study of the federal system and the federal government as developed through judicial interpretation of the Constitution. Prerequisite: Government 103, 104 or consent of the instructor. Junior standing.

396. American Constitutional Law II.

Civil Rights, a study of judicial interpretation of the Federal Bill of Rights, and the Fourteenth Amendment. Prerequisite: Government 103, 104 or consent of the instructor. Junior standing.

SEMINARS AND INDIVIDUAL STUDY

401. Independent Study.

Selected reading, written reports, conferences. Prerequisite: junior or senior standing. By arrangement with the instructor.

402. Soviet Civilization Seminar.

An interdepartmental (see Economics 402, English 402, and History 402) or a departmental seminar on political and cultural life in the USSR. Prerequisite: consent of the instructor.

404. Senior Seminar.

Required of all majors in government. A schedule of reading, reports, and discussions designed to give a broad knowledge of the literature in the discipline of political science.

The following courses are available to Monmouth students at Knox College:

Foreign Policy of the Soviet Union.

Jurisprudence.

International Law and Organization.

Problems in Administration.

Public Opinion and Propaganda.

Theory of Political Development.



HISTORY

F. GARVIN DAVENPORT, *Professor, Chairman*
CECIL C. BRETT, *Associate Professor (On Leave 1969-1970)*
MARY B. CROW, *Assistant Professor*
DOUGLAS R. SPITZ, *Assistant Professor*
GEORGE D. TSELOS, *Instructor*
WILLIAM L. URBAN, *Assistant Professor*

DEPARTMENTAL MAJOR

- (a) A minimum of ten courses, including at least two courses from the 101-103 sequence, 251 and 252, 400, and 408.
- (b) Additional requirements as determined by the department.
- (c) The senior comprehensive examination in history or a thesis.

101. Western Civilization.

The main cultural and political features of Ancient and Medieval civilization.

102. Western Civilization.

A continuation of 101, but may be taken separately. Emphasis on the Renaissance, Reformation, Commercial Revolution, and rise of national states through the Napoleonic Era.

103. Western Civilization.

A continuation of 102, but may be taken separately. Emphasis on the main political, social and economic forces in Europe since 1815.

201. Oriental Civilization I.

Asia before 1600.

202. Oriental Civilization II.

1600 to present.

203. Oriental Civilization III.

Selected topics in cultural and social institutions (economic, government, family, and religions). Philosophy and the arts in modern Asia. Special attention will be given to the impact of Western civilization.

251. American History, 1492-1865.

A study of the main political, social, and economic factors in the Colonial, Early National and Civil War periods.

252. American History Since 1865.

A continuation of 251, but may be taken separately. Emphasis on Reconstruction, rise of big business, agrarian and labor movements, the New Deal and the United States as a world power.

282. Afro-American History.

A course devoted to the history of the American black people with emphasis on the period since the Civil War.

301. Modern China.

Covers the periods from 1800 to the present, with emphasis on the impact of the West on China.

302. Modern Japan.

Social, economic, and political development of modern Japan, with emphasis on the Japanese response to the problems posed by contacts with the Western world.

303. Modern India.

A study of political, social, and economic factors in modern India, with particular attention to British colonialism and the independence movement.

311. History of Greece.

From the Minoan civilization through the Hellenistic Period. Emphasis on the social, cultural, and political development significant in the context of Western civilization. Not open to freshmen.

312. History of Rome.

An interpretation and evaluation of Roman civilization with special emphasis on the role of Rome in the founding of Europe. Not open to freshmen.

313. History of Education.

Starts with the educational institutions of Europe, but the emphasis is on the evolution of the American public school system. Some attention to colleges and parochial schools. Open only to students in the teacher training program. This course cannot be used for either distribution requirements or history major requirements.

322. Medieval History.

A study of Medieval social and cultural life and its influence on later history. Prerequisite: History 101 or consent of instructor.

333. French Revolution and Napoleon.

The ancient regime, the enlightenment of the eighteenth century, the revolution, and the rise of Napoleon. Prerequisite: History 102 or consent of instructor.

334. Nineteenth Century Europe.

A study of the industrial revolution, the growth of democracy, nationalism, and imperialism from 1815 to 1890.

335. Twentieth Century Europe.

An investigation of European history from 1890 to the present with emphasis on imperial and Nazi Germany as the focal point of European politics.

341. History of Great Britain.

English political and social development from the fifteenth to the eighteenth century.

342. History of Great Britain.

A continuation of 341, but may be taken separately. Growth of the empire, the development of the modern parliament, and political and social reform. England in the two world wars of the twentieth century.

343. Tudor-Stuart England.

The social, economic and political development of England from the late fifteenth to the early eighteenth centuries. Special emphasis on the seventeenth century revolutions.

351. History of American Culture.

A study of American social and cultural growth from the Colonial Period to about 1900. Prerequisite: History 251-252 or consent of the instructor.

353. Twentieth Century America.

A study of the political and social movements in the United States from about 1890 to the present. Prerequisite: History 351 or consent of the instructor.

384. History of the South.

A study in regional history. Emphasis on the social and economic life of the South from 1830 to the present. Considerable attention to the Civil War and the problems of the black people.

SEMINARS AND INDIVIDUAL STUDY**400. Junior Seminar.**

Introduction to historical method and research. Individual projects. Required of all history majors in the junior year. Does not satisfy individual requirements for history majors.

408. Senior Individual Study.

Individualized study in American, Afro-American, Asian, or European history. Prerequisite: History 400.

The following courses are available to Monmouth students at Knox College:

Renaissance and Reformation.

The Hispanic World in the 19th and 20th Centuries.

The Westward Movement (American Frontier).

MATHEMATICS

R. D. BOSWELL, JR., *Professor, Chairman (On Leave 1969-1970)*

JOHN C. NICHOLS, *Assistant Professor, Acting Chairman*

PAUL CRAMER, *Associate Professor*

JAMES H. McALLISTER, *Associate Professor*

JOHN D. ARRISON, *Assistant Professor*

DAVID L. EHLERT, *Assistant Professor*

FERN W. CRAMER, *Instructor (part-time)*

DEPARTMENTAL MAJOR

(a) A minimum of: Mathematics 151, 152, 251, 252, 254, 311, 312, 301, 302, and a seminar or independent study course. A reading knowledge of French, German, or Russian is required.

(b) Students who complete the teacher certification requirements may obtain a major in mathematics consisting of at least ten term courses including mathematics 151, 152, 251, 311, 312, 316, or 401, and a seminar or independent study course. A reading knowledge of French, German, or Russian is recommended.

Note: No course numbered below 151 will be counted toward a major in mathematics.

100. Introduction to Mathematics.

The number system, sets, axioms, classical and modern geometry, functions and graphs. This course is designed for the general liberal arts students and is not open to those who have previously passed a college mathematics course.

103. Introduction to Computer Programming.

One-third term course credit.

105. Mathematics of Finance.

Interest, discount, annuities, amortization, sinking funds, bonds, depreciation, elements of actuarial science.

106. Elementary Statistics.

A study of central tendency and variability; frequency, binomial, normal and chi-square distributions; correlation and regression; analysis of variance and applications in related fields.

110. Essentials of Mathematics I.

Fundamental operations with natural numbers, inequalities, decimal numbers, percentage, measurement, irrational numbers. Enrollment limited to students preparing to teach elementary school mathematics.

111. Essentials of Mathematics II.

A continuation of Mathematics 110 with emphasis on the structure of the real number system and its sub-systems; topics from elementary geometry. Prerequisite: Mathematics 110.

121. Geometry for Elementary Teachers.

Introduction to plane and solid geometry with particular emphasis on geometric concepts which can be introduced in elementary and junior high school. Enrollment limited to students preparing to teach elementary school mathematics.

131. Principles of Mathematics.

Review of some topics in algebra, functions, trigonometric functions and systems of equations. This course is designed as a pre-calculus course for those who are not proficient in algebra and trigonometry. Prerequisite: two and one-half units of high school mathematics.

151. Analytic Geometry and Calculus I.

Elements of analytic geometry and of the calculus of functions of one variable. Prerequisite: three and one-half units of high school mathematics or Mathematics 131.

152. Analytic Geometry and Calculus II.

Continuation of Mathematics 151. Prerequisite: Mathematics 151.

251. Analytic Geometry and Calculus III.

Continuation of Mathematics 152. Prerequisite: Mathematics 152.

252. Analytic Geometry and Calculus IV.

Partial derivatives, multiple integrals, introduction to differential equation . Prerequisite: Mathematics 251.

254. Differential Equations.

An introduction to ordinary differential equations and their applications. Prerequisite: Mathematics 252.

301. Advanced Calculus.

A theoretical development of the calculus of one and several variables including topological concepts, limit theorems, differentiation, integration, series, pointwise convergence and uniform convergence. Prerequisite: Mathematics 252.

302. Advanced Calculus.

Continuation of Mathematics 301. Prerequisite: Mathematics 301.

306. Applied Mathematics.

Vector analysis, Laplace transform, numerical solutions of ordinary differential equations, partial differential equations, boundary value problems, problems from mathematical physics. Prerequisite: Mathematics 254.

307. Applied Mathematics.

Continuation of Mathematics 306. Prerequisite: Mathematics 306.

311. Introduction to Modern Algebra.

Rings, integral domains, fields, groups, determinants, and matrices. Prerequisite: Mathematics 152.

312. Introduction to Modern Algebra.

A continuation of Mathematics 311. Prerequisite: Mathematics 311.

315. Theory of Numbers.

The properties of the whole numbers, divisibility, diophantine equations, prime numbers, congruences, residues, additive number theory. Prerequisite: Mathematics 152.

316. Introduction to Geometry.

Foundations of plane geometry, geometric constructions, use of loci, fundamental theorems, the harmonic range, systems of circles, inversion. Prerequisite: Mathematics 152.

339. Probability and Statistics.

Probability, mathematical expectation, sampling, distribution, testing hypotheses, regression and correlation, analysis of variance. Prerequisite: Mathematics 252.

340. Probability and Statistics.

Continuation of Mathematics 339. Prerequisite: Mathematics 339.

341. Functions of a Complex Variable.

Algebra of complex numbers, limits, differentiation, analytic functions, integration, series, residues, conformal mappings. Prerequisite or co-requisite: Mathematics 302.

401. Projective Geometry.

An axiomatic approach to projective geometry. Prerequisite: Mathematics 152.

411. Introduction to Topology.

Metric spaces, general topological spaces, compactness, separation and connectedness. Prerequisite: Mathematics 302.

412. Introduction to Topology.

Continuation of Mathematics 411. Prerequisite: Mathematics 411.

421. Independent Study and Seminar.

Selected topics in advanced mathematics. Prerequisite: Mathematics 312.

422. Independent Study and Seminar.

A continuation of Mathematics 421.

Engineering 101. Engineering Drawing and Descriptive Geometry.

Use of instruments, orthographic projections, dimensioning, sectioning, and pictorial drawing. Representation of points, lines, planes, and curved surfaces with applications.

Engineering 203. Surveying.

Plane and topographical surveying with field work in the use of tape, level, and transit. Prerequisite: Mathematics 131 or the equivalent.

Engineering 207. Analytic Mechanics.

Statics coplanar or forces in space, centroid center of gravity, friction, moment of inertia, introduction to dynamics. Prerequisites: Mathematics 152, Physics 103.

The following courses are available to Monmouth students at Knox College:

Numerical Analysis.

Real Analysis.

Foundations of Mathematics.

MODERN FOREIGN LANGUAGES

HARRY W. OSBORNE, *Professor of French, Chairman*

DOROTHY DONALD, *Professor of Spanish*

EDENIA GUILLERMO, *Assistant Professor of Spanish*

DANIEL T. BRINK, *Instructor in German*

ROBERT A. GORDON, *Instructor in Spanish*

SAMUEL P. JAFFE, *Instructor in German*

TAKASHI KUWAHARA, *Instructor in Japanese*

MARGARET C. THONNERIEUX, *Instructor in French*

KAREN M. WOODWARD, *Instructor in French*

EDDA PRATS, *Instructor in Spanish (part-time)*

DEPARTMENTAL MAJOR

- (a) A minimum of eight term courses beyond 101-102 covering the significant periods of the literature. Proficiency in the spoken and written language, evidence of ability to develop a linguistic or literary subject involving research, organization, and critical judgment through at least one independent study course.

- (b) Senior comprehensive examination or informal senior seminar.
- (c) Foreign language selected as a teaching minor by majors in other departments: four term courses beyond the elementary level and satisfactory proficiency in the spoken and written languages.

Students are encouraged, under the guidance of the department, to participate in an accredited foreign study program. Candidates for foreign study must be approved by the department and programs must be planned well in advance.

On the basis of placement examinations, recommendations for courses are made to students who wish to continue a language studied in high school. A proficiency examination provides a means of meeting the foreign language requirement for graduation.

FRENCH

101. Elementary.

Introduction to spoken and written French. Attention to pronunciation with practice in using the language. Laboratory facilities provide authentic speech patterns. This course builds a foundation for reading the language.

102. Elementary.

A continuation of 101.

201. Intermediate.*

Selected readings of modern literature, with conversational approach. Continued emphasis on oral and written expression aided by laboratory practice. For students principally concerned with satisfying the language requirement.

201-S. Intermediate*

For students interested in languages. Selected readings of modern literature, with conversational approach. Continued emphasis on oral and written expression aided by laboratory practice.

**Both 201 and 201-S can be used to satisfy the language requirement or as a prerequisite for 202.*

202. Intermediate.

Completion of the introductory studies of the language, a consideration of some aspects of French history and culture and a preparation for advanced work in both the language and the literature.

299. Written and Oral Practice.

A study of French language structure beyond the intermediate level. Grammar, written and oral composition and insistence on accuracy of expression. Prerequisite: French 202.

310. Advanced Composition and Conversation.

An advanced course in the study of French grammar, composition, style, and phonetics. Prerequisite: French 299.

311. The Evolution of French Literature. Part I.

A chronological study of French literature from the Middle Ages to the end of the eighteenth century. The goal of this course is to present a chronological picture of the development of French letters with special attention to the seminal ideas, the main streams of development, and the various literary schools whose theories have played such an important role in the history of French culture. Prerequisite: French 202. (alternate years)



312. The Evolution of French Literature. Part II.

A chronological study of French literature from the beginning of the nineteenth century to the present day. A continuation of French 311. Prerequisite: French 202. (alternate years)

313. French Poetry from the Middle Ages to the Present Day.

A study of the main currents in the development of poetry since the fifteenth century and a detailed study of representative works of the most significant French poets. Pre-requisite: French 202. (alternate years)

314. French Drama from the Renaissance to the Present Day.

A study of the main currents in the development of the French theater from the time of the Pleiade to the present day and a detailed study of representative works of the most significant French dramatists. Prerequisite: French 202. (alternate years)

315. The French Novel from the Seventeenth Century to the Realist Movement.

A study of the main currents in the development of the French novel and a detailed study of representative works of the most significant French novelists from 1600 to 1850. Prerequisite: French 202. (alternate years)

316. The French Novel from the Realist Movement to the Present Day.

A study of the main currents in the development of the French novel and a detailed study of representative works of the most significant French novelists from 1850 to the present day. Prerequisite: French 202. (alternate years)

320. Individual or Group Study.

Specialized study, under guidance of the instructor, of certain aspects or periods of French literature i.e., Medieval literature, the "Encyclopedist," French lyrics, memoirs and letters.

401. Independent Study.

Individual research problems under the guidance of the instructor.

460. Methods of Teaching Modern Foreign Languages.

Discussion, observation, and practice in the field of foreign language teaching. Introduction to phonetics and linguistics. Attention given to teaching in elementary grades and practice with audio-visual aids. (alternate years)

GERMAN

101. Elementary.

An introduction to the German language, with emphasis on pronunciation and comprehension. Laboratory practice supplements classroom instruction. A foundation for reading and writing the language

102. Elementary.

A continuation of 101.

201. Intermediate.

Extensive reading of modern literature. Continued attention to written expression through diary, letter, and essay writing; further practice in conversation through class and laboratory work. Acquaintance with essential aspects of German culture, through such media as monthly German newsreels. For students principally concerned with satisfying the language requirement.

201-S. Intermediate*

For students interested in languages. Selected readings of modern literature, with conversational approach. Continued emphasis on oral and written expression aided by laboratory practice.

**Both 201 and 201-S can be used to satisfy the language requirement or as a prerequisite for 202.*

202. Intermediate.

Completion of the introductory studies of the language, a consideration of some aspects of German history and culture and a preparation for advanced work in both the language and the literature.

298. Composition and Conversation.

Concentrated training in fluent written and oral expression. Introduction to diary and letter writing.

300. Periods of German Literary History.

A study of the major works and movement in German literature from the Early Period to the Age of Enlightenment. Basic literary trends from the Storm and Stress movement to the present. Extensive use of phonograph records of the "Literatur-Archiv."

301. German Literature from Naturalism to the Present.

A study of major figures and movements in German literature of the twentieth century. (Friedrich Nietzsche to Kafka; Stefan George to Gottfried Benn; Gerhart Hauptmann to Bertolt Brecht). Attention will be also directed to the relation between literature and the socio-political history of the period.

302. German Literature of the Nineteenth Century.

Poetry and the "Novelle" during the period 1830-1880. Critical reading of selected works by Droste-Hulshoff, Goethe, Heine, Kleist, C. F. Meyer, Morike, Storm and others.

303. German Romanticism.

A study of selections from the major writers of the Romantic Movement in Germany. Critical definitions of Romanticism and romantic theories of literature in connection with careful analysis of representative texts. (Tieck, die bruder Schlegel, Novalis, Brentano, Arnim, Eichendorff, E.T.A. Hoffman and Heine.)

304. Schiller and the German Classical Drama.

A study of Schiller's life and major dramatic works with emphasis on his specific role in the development of the German classical drama.

305. Goethe.

An introduction to the study of Goethe's life and works. Particular emphasis is placed on the development of Goethe's style and thought as revealed through an analysis of the Faust-drama in the various stages of its development.

306. German Literature from Baroque to the Storm and Stress Movement.

Particular attention is devoted to the Literary Revolution of the mid-eighteenth century and its radical break with mimetic-pragmatic poetics and the rhetorical tradition. The theoretical work of such representative figures as Opitz, Gottsched, Lessing and Herder is studied in relation to the poetic production of the period.

310. Advanced Composition and Conversation.

Introduction to the writing of expository prose in German with special attention to individual writing problems. Analysis and discussion of topics. Emphasis on free composition.

320. Individual or Group Study.

Specialized study, under guidance of the instructor, of certain aspects of German literature and scientific and philosophical writings. Prerequisite: a 300 course or consent of the instructor.

401. Independent Study.

Individual research problems under guidance of the instructor. Preparation for studies in Germany.

460. Methods of Teaching German.

See French 460.

Reading in the Field of Concentration.

See Chemistry 404, Biology 401, and Physics 401. In such courses the department acts as a consultant for German-Language material.

Note: Courses 301, 306 are not necessarily offered in every year.

JAPANESE**101. Elementary.**

An introduction to standard Japanese, with emphasis on structural characteristics of the language. Laboratory exercises provide drills in pronunciation and practice in listening, comprehending and speaking.

102. Elementary.

A continuation of 101, with introductory work in written Japanese.

103. Elementary Conversation and Composition.

Review of the essentials of Japanese grammar covered in Japanese 101 and 102 with extensive drills and practice in speaking, comprehending, reading, and writing. The aim of the course is a synthetic understanding of the structure of the language rather than an analytical one.

201. Intermediate.

Continued emphasis on the oral and written language. Readings from Japanese authors with audio-visual aids.

202. Intermediate.

A continuation of 201.

315. Japanese Literature in Translation.

See English 215. Students taking this course as Japanese 315 are required to read extracts from the principal works in Japanese and take special examinations over this material.

320. Individual or Group Study.

Specialized study under guidance of instructor of selected phases of Japanese literature. Oral approach.

201. Intermediate.

Extensive reading of modern literature. Continued attention to written expression through diary, letter, and essay writing; further practice in conversation through class and laboratory work. Acquaintance with essential aspects of German culture, through such media as monthly German newsreels. For students principally concerned with satisfying the language requirement.

201-S. Intermediate*

For students interested in languages. Selected readings of modern literature, with conversational approach. Continued emphasis on oral and written expression aided by laboratory practice.

**Both 201 and 201-S can be used to satisfy the language requirement or as a prerequisite for 202.*

202. Intermediate.

Completion of the introductory studies of the language, a consideration of some aspects of German history and culture and a preparation for advanced work in both the language and the literature.

298. Composition and Conversation.

Concentrated training in fluent written and oral expression. Introduction to diary and letter writing.

300. Periods of German Literary History.

A study of the major works and movement in German literature from the Early Period to the Age of Enlightenment. Basic literary trends from the Storm and Stress movement to the present. Extensive use of phonograph records of the "Literatur-Archiv."

301. German Literature from Naturalism to the Present.

A study of major figures and movements in German literature of the twentieth century. (Friedrich Nietzsche to Kafka; Stefan George to Gottfried Benn; Gerhart Hauptmann to Bertolt Brecht). Attention will be also directed to the relation between literature and the socio-political history of the period.

302. German Literature of the Nineteenth Century.

Poetry and the "Novelle" during the period 1830-1880. Critical reading of selected works by Droste-Hulshoff, Gotthelf, Heine, Kleist, C. F. Meyer, Morike, Storm and others.

303. German Romanticism.

A study of selections from the major writers of the Romantic Movement in Germany. Critical definitions of Romanticism and romantic theories of literature in connection with careful analysis of representative texts. (Tieck, die bruder Schlegel, Novalis, Brentano, Arnim, Eichendorff, E.T.A. Hoffman and Heine.)

304. Schiller and the German Classical Drama.

A study of Schiller's life and major dramatic works with emphasis on his specific role in the development of the German classical drama.

305. Goethe.

An introduction to the study of Goethe's life and works. Particular emphasis is placed on the development of Goethe's style and thought as revealed through an analysis of the Faust-drama in the various stages of its development.

306. German Literature from Baroque to the Storm and Stress Movement.

Particular attention is devoted to the Literary Revolution of the mid-eighteenth century and its radical break with mimetic-pragmatic poetics and the rhetorical tradition. The theoretical work of such representative figures as Opitz, Gottsched, Lessing and Herder is studied in relation to the poetic production of the period.

310. Advanced Composition and Conversation.

Introduction to the writing of expository prose in German with special attention to individual writing problems. Analysis and discussion of topics. Emphasis on free composition.

320. Individual or Group Study.

Specialized study, under guidance of the instructor, of certain aspects of German literature and scientific and philosophical writings. Prerequisite: a 300 course or consent of the instructor.

401. Independent Study.

Individual research problems under guidance of the instructor. Preparation for studies in Germany.

460. Methods of Teaching German.

See French 460.

Reading in the Field of Concentration.

See Chemistry 404, Biology 401, and Physics 401. In such courses the department acts as a consultant for German-Language material.

Note: Courses 301, 306 are not necessarily offered in every year.

JAPANESE**101. Elementary.**

An introduction to standard Japanese, with emphasis on structural characteristics of the language. Laboratory exercises provide drills in pronunciation and practice in listening, comprehending and speaking.

102. Elementary.

A continuation of 101, with introductory work in written Japanese.

103. Elementary Conversation and Composition.

Review of the essentials of Japanese grammar covered in Japanese 101 and 102 with extensive drills and practice in speaking, comprehending, reading, and writing. The aim of the course is a synthetic understanding of the structure of the language rather than an analytical one.

201. Intermediate.

Continued emphasis on the oral and written language. Readings from Japanese authors with audio-visual aids.

202. Intermediate.

A continuation of 201.

315. Japanese Literature in Translation.

See English 215. Students taking this course as Japanese 315 are required to read extracts from the principal works in Japanese and take special examinations over this material.

320. Individual or Group Study.

Specialized study under guidance of instructor of selected phases of Japanese literature. Oral approach.

309. Spanish-American Theater and Essay of the Twentieth Century.

A study of the selected works by Rodo Vasconcelos, Reyes, Pecon Salas, Mallea, Borges, Arciniegas, Manach and other outstanding essayists; a study of selected plays by Florencio Sanchez, Usigil, Osorio, Gorostiza, and other contemporary Spanish-American playwrights.

(alternate years)

310. Advanced Composition and Conversation.

Concentrated training in the use of the Spanish language, both in its written and oral expression.

316. Cervantes.

Don Quijote, Novelas ejemplares, teatro.

320. Individual or Group Study.

Specialized study under guidance, of certain aspects of Spanish literature, i.e., Romancero, picaresque novel, Golden Age drama; or of Spanish-American literature, i.e., literature of the colonial period, modern essay, novels of the Mexican Revolution, Masterpieces of Spanish-American literature.

401. Independent Study.

Individual research problems under guidance of the instructor.

460. Methods of Teaching Spanish.

See French 460.

(alternate years)

MUSIC

HEIMO A. LOYA, *Professor, Chairman*

ELWOOD H. BALL, *Assistant Professor*

RICHARD L. GRIFFITHS, *Assistant Professor*

PETER S. HILL, *Instructor*

MICHAEL E. SPROSTON, *Instructor*

GRACE GAWTHORP PETERSON, *Instructor (part-time)*

DEPARTMENTAL MAJOR

A minimum of the following courses: Music 102, 103, 201, 202, 321, 322, 402, and two courses in one area of Applied Music (private lessons).

Note: A general major should carry, in addition to the above, Music 203, 204, and 205.

A performance major should carry, in addition to the above, Music 204, 205, and two additional courses in applied music.

A student preparing for certification in music education with vocal emphasis should carry Music 204, 205, 312, 313, and an additional course in secondary applied music as well as the necessary education courses.

A student preparing for certification in music education with instrumental emphasis should carry Music 204, 205, 314, and one additional course in secondary instruments as well as the necessary education courses.

101. Introduction to Music.

This course is designed to develop an understanding of music through a study of musical materials, principles of organization, and historical styles. Open to all students.

This image is a high-contrast, black-and-white scan of a dark, textured surface, likely a book cover or endpaper. The surface is covered in faint, illegible markings that appear to be bleed-through from the reverse side of the page. These markings include what look like numbers, letters, and possibly some diagrams or tables. A prominent, dark, circular indentation is visible in the center, suggesting a hole-punch mark or a circular seal. The overall texture is grainy and lacks fine detail due to the high contrast.

102. Theory of Music I.

An approach to the elements of music — melody, harmony, rhythm, and form, as employed during the functional harmonic period, (eighteenth and nineteenth centuries), through the development of skills in hearing, singing, keyboard, writing, and analysis. Open to prospective majors and students with considerable music training.

103. Theory of Music II.

A continuation of Music 102.

201. Theory of Music III.

Advanced Harmony. A continuation of Music 103.

202. Theory of Music IV.

Form and Analysis. A study of the principal forms and procedures of Western music from the late seventeenth century to the present.

203. Counterpoint.

The principles of modern counterpoint. Analysis and composition of two- and three-part inventions. Introduction to canon and fugue.

204. Orchestration and Conducting I.

The study of orchestral instruments, their use in small and large ensembles, principles of conducting, interpretative study of both choral and instrumental scores with practical experience in arranging music for, and conducting, campus musical groups.

205. Orchestration and Conducting II.

Continuation of Music 204.

312. Teaching Music in the Elementary Schools.

Music fundamentals, teaching skills, and actual teaching methods at different age levels. A comprehensive coverage of music requirements for prospective elementary teachers with special emphasis on singing and functional piano technique.

313. Music Education I.

Teaching and administration of vocal music in secondary schools. The general music program, the changing voice, instructional problems, and materials for vocal ensembles and operetta production.

314. Music Education II.

Teaching and administration of instrumental music in public schools. Techniques of group instruction, materials, and equipment. Principles and methods of conducting school orchestras and bands, including an intensive survey of the literature.

321. History and Literature of Music I.

Study of works, styles, and musical activity from earliest times to the sixteenth century, including the study of the relationship of the art to contemporary, social, cultural, and political circumstances. Emphasis on aural appreciation of style, evolution throughout history.

322. History and Literature of Music II.

Continuation of Music 321. From sixteenth century to the present.

323. Twentieth Century Music.

A study of the contemporary trends in music as manifested in the works of such composers as Stravinsky, Schoenberg, Prokofieff, Hindemith, Bartok, Copland, and Barber, and an evaluation of the jazz idiom. Designed to give students a background for intelligent appreciation and understanding of modern music. Prerequisite: 101 or consent of the instructor.

324. Sacred Music.

Music specifically related to the Protestant church. Major sacred works from all periods are heard and discussed. A portion of the term's work is devoted to a critical appraisal of the standard church repertory of anthems, larger choral works, organ literature, and hymns. Provision is made in this part of the course for the student to pursue detailed studies pertinent to his major interest.

SEMINARS AND INDIVIDUAL STUDY

401. Seminar in Music Literature.

Individual reading, listening, and reports. Prerequisite: five courses in music, and junior or senior status.

402. Independent Study.

Research in an area of specialization. Open to students completing a major in music.

PRIVATE PERFORMANCE STUDY

Instruction in solo performance is offered on a uniform basis of one 30-minute individual lesson and one class meeting weekly, with a minimum of one hour's practice daily, for one-sixth course credit each term. Music majors may elect to combine two one-sixth units (on a basis of two half-hour lessons and a class period per week) with a minimum of two hours' practice daily for one-third course credit each term. Private lessons on a non-credit basis are available only with the consent of the instructor.

Odd numbers indicate a one-sixth credit per term; even numbers, one-third credit.

Music 141, or 142.

Organ

Music 145 or 146.

Piano

Music 151 or 152.

Voice

Music 155 or 156.

Orchestral Instruments

Music 161 or 162.

Wind Instruments

COLLEGIUM MUSICUM

The chamber orchestra, choir, and wind ensemble constitute the Collegium Musicum. These groups all perform individually as the following listing indicates. However, quite often several performers may be chosen from each group to share in a choral-instrumental concert.

261. Chamber Music.

A laboratory course in the theory and practice of orchestral and chamber music (one-sixth credit each term).

264. College Choir.

Registration by permission of the instructor. Attendance at choral society rehearsals required (one-sixth credit each term).

267. Wind Ensemble.

Registration by permission of the instructor (one-sixth credit each term).

PHILOSOPHY

J. PRESCOTT JOHNSON, *Professor, Chairman*

SAMUEL M. THOMPSON, *Professor*

DEPARTMENTAL MAJOR

A minimum of eight term courses in philosophy, including either 301, 302, or 303, 304, and two terms of individual study.

101. Introduction to Philosophy.

An introduction to the general field and methods of philosophy, and the basic problems in the philosophy of science and the philosophy of man and human culture.

102. Introduction to Logic.

A study of logical relations with special emphasis upon the development of skill in the logical control and evaluation of thinking.

210. Advanced Logic.

Techniques of symbolic logic and problems of logical theory.

211. Philosophy of Education.

Theories and basic concepts of education in relation to general philosophical issues. Open to sophomores, juniors, seniors. (This course may not be used to satisfy distribution requirements for graduation.)

213. Philosophy of Religion.

A study of philosophical problems raised by basic religious beliefs and concepts. Open without prerequisite to all students except freshmen. This course is also listed under Bible and Religion, and may be used to satisfy Bible and Religion requirements.

301. Greek and Medieval Philosophy.

A study of the development of Greek and Medieval philosophy, with emphasis on Plato, Aristotle, Augustine, and Thomas Aquinas. Special attention to historical roots of contemporary problems. Prerequisite: 101, or junior or senior standing. (alternate years)

302. Modern Philosophy.

A continuation of 301, but may be taken by students who have not had 301. A study of the major philosophers from the Renaissance to the present century. Prerequisite: 101, or junior or senior standing.
(alternate years)

303. Ethics.

An analysis of basic moral concepts and a study of their application in personal choice and decision, and of the principal historical and contemporary ethical theories. Pre-requisite: 101, or junior or senior standing.
(alternate years)

304. Political Philosophy.

Theories concerning the nature of the state, the nature of law, the authority of the state, and political obligation. A comparison of competing political philosophies. Prerequisite: 101, or junior or senior standing.

305. Contemporary Philosophy.

Twentieth century philosophy, its roots in nineteenth-century thought, and present issues in Anglo-American and European philosophy. Prerequisite: 301 and 302, or consent of the instructor.
(alternate years)

306. Oriental Philosophy.

A study of the chief schools of thought of China and India, and their influence throughout the Orient. Prerequisite: 301 and 302 or consent of the instructor.
(alternate years)

315. Aesthetics.

A study of values in literature, music, painting and other arts, with special attention to the relation of aesthetic experience and judgment to scientific and religious thought. Prerequisite: 101, or junior or senior standing.
(alternate years)

316. Philosophy of Science.

The nature of scientific knowledge, the development of modern scientific concepts, and the relation of science to other methods of inquiry and areas of knowledge. Prerequisite: 101, or junior or senior standing.

SEMINARS AND INDIVIDUAL STUDY

Each philosophy major is expected to take at least two individual study courses during each of the junior and senior years. Other juniors and seniors who have satisfied the prerequisites may be admitted to these courses by permission of the instructor.

401. Philosophy Seminar.

A study of philosophical methods as exemplified in the work of selected philosophers. Prerequisite: four courses in philosophy.

402. Philosophy Seminar.

A continuation of Philosophy 401.

405. Philosophy of History.

A study of theories concerning the nature of historical knowledge and an examination of their assumptions. Seminars or independent study. Prerequisite: 301, 302.

411. Junior Independent Study.

Individual reading, reports and papers in areas of special interest to the student. Prerequisite: four courses in philosophy.

412. Junior Independent Study.

A continuation of 411.

421. Senior Independent Study.

A continuation of 411 and 412, culminating normally in the preparation of a senior thesis. Prerequisite: 412.

422. Senior Independent Study.

A continuation of 421. Prerequisite: 421.

The following courses are available to Monmouth students at Knox College:

Social Philosophy.

Nineteenth Century Philosophy.

PHYSICAL EDUCATION

HENRY W. ANDREW, *Assistant Professor, Chairman and Director of Athletics*

ROBERT G. WOLL, *Associate Professor*

WILLIAM L. REICHOW, *Assistant Professor*

JAMES L. WASEM, *Assistant Professor*

SHIRLEY L. ANDREWS, *Instructor*

MARY H. FLEMING, *Instructor (part-time)*

DEPARTMENTAL MAJOR

A minimum of eight courses approved by the Department, including: 210, 421, and 422. In addition women must take 209, and men must take two of the following: 317, 318, or 31 .

Teaching Major.

Students wishing to complete a program of study leading to certification to teach physical education and coach, should consult the education section of this catalog and the chairman of the department of education.

Intercollegiate Athletics.

The program of intercollegiate athletics consists of baseball, basketball, cross country, football, golf, swimming, tennis, track, and wrestling. For further information consult the athletic department.

Basic Skills. (Required Physical Education).

Each student is required to demonstrate competence in three basic skills activities courses unless excused by a director of the college health service for medical reasons. This requirement which must be completed in the first year of residence can be met either by (a) passing the appropriate basic skills course or courses or (b) by a series of competency tests which consist of a written test and a performance test. Date, time and location of the tests will be announced by the department. Students wishing to take com-

petence exams at other than the regular times will be charged for a special examination. All freshmen men are required to take physical fitness, and all freshman women are required to take movement fundamentals, as one of the three basic skills activities courses.

209. Team Sports for Women.

(Women only) An analysis of the skills necessary to perform selected team sports for women; also, the student must demonstrate proficiency in each of the team sports selected.

210. Individual Sports.

(Coeducational) Analysis of the skills necessary to perform selected individual sports; also, the student must demonstrate proficiency in each of the individual sports listed.

211. Elementary School Physical Education.

(Coeducational) Methods of teaching physical education in the elementary grades with specific emphasis on program content.

212. Rhythrical Activities.

(Coeducational) Fundamentals of rhythms, social, folk and square dance. Emphasis will be placed on the analysis of skills and techniques of these rhythmical activities with special consideration given to the methods of teaching.

213. Health Education.

(Coeducational) A study of health and health education, including both public and school health. Emphasis is placed on program content and materials available in health, for grades one through twelve.

314. Anatomy.

(Coeducational) A study of the structure and function of the human body. Specific consideration is given to application of principles of anatomy and physiology to physical education activities.

315. Kinesiology.

(Coeducational) A mechanical and anatomical analysis of human motion. Prerequisite: 314.

316. Secondary School Physical Education for Women.

(Women only) Methods of teaching girls physical education in the high school; also, the development of a high school physical education program for girls.

317. Coaching of Football.

(Men only) A study of the methods and techniques of coaching football.

318. Coaching of Basketball.

(Men only) A study of the methods and techniques of coaching basketball.

319. Coaching of Track and Baseball.

(Men only) A study of the methods and techniques of coaching track and baseball.

420. Independent Study.

(Coeducational) The independent study in physical education is developed under the guidance of the chairman of the department. Arrangements must be made with the department chairman prior to enrolling in this course.



421. Organization and Administration.

(Coeducational) The philosophy of physical education and organization of a physical education program.

422. Leadership Training.

(Coeducational) Designed to provide an internship-type of practical teaching experience.

PHYSICS

A. FRANKLIN JOHNSON, *Professor, Chairman*

CHARLES E. SKOV, *Associate Professor*

PETER K. KLOEPPEL, *Assistant Professor*

BERTRAM C. McINNIS, *Assistant Professor*

DEPARTMENTAL MAJOR

(a) A minimum of eight term courses beyond the introductory sequence (110-111-112) and including 208, 210, 212, 302, 303, and either 308, 325, or 326, or a program approved by the department.

101. Introduction to Physics.

(For non-science majors.) A descriptive course requiring a minimum of mathematics covering classical and modern physics.

102. Introduction to Physics.

(For non-science majors.) Continuation of Physics 101. Prerequisite: Physics 101.

103. Astronomy I.

Astronomical observation and instrumentation-telescopy, spectroscopy, radio astronomy. The solar system; the sun and other stars. Lecture and laboratory.

104. Astronomy II.

Associations of stars: clusters, galaxies. Theories of the universe, its origin, and its ultimate future. Present problems in astronomy. Lecture and laboratory. Prerequisite: Physics 103.

110. Introductory Physics.

(For science majors.) Fundamentals of mechanics, heat and sound. Co-requisite: Mathematics 151.

111. Introductory Physics.

(For science majors.) Fundamentals of electricity and magnetism. Continuation of Physics 110. Prerequisite: Physics 110. Co-requisite: Mathematics 152.

112. Introductory Physics.

(For science majors.) Fundamentals of optics, atomic and nuclear physics. Continuation of Physics 111. Prerequisite: Mathematics 152 and Physics 111.

208. Intermediate Mechanics.

Dynamics, motion of a particle in three dimensions, systems of particles, rotational dynamics, gravitation, continuous media. Prerequisite: Physics 110, 111, and 112, Mathematics 251.

210. Electrical Measurements.

Theory and use of instruments for the precise measurement of electrical quantities. Error analysis, direct current and alternating current circuit analysis. Prerequisite: Physics 112.

211. Electronics.

A laboratory-oriented course in electronics for science majors. Prerequisite: Physics 102 or 111 or permission of instructor.

212. Optics.

Geometrical and physical optics. Reflection, refraction, optical instruments, interference, diffraction, dispersion, polarization, laws of radiation. Prerequisites: Physics 112, and Mathematics 254 or permission of instructor.

302. Quantum Mechanics.

Introduction to quantum mechanics. Prerequisites: Physics 208, Mathematics 254.

303. Electricity and Magnetism.

An intermediate course in principles of electricity and magnetism. Prerequisites: Physics 112, Mathematics 254.

308. Atomic and Molecular Physics.

Fundamental particles, atomic and molecular structure and spectra, X-ray spectra, electronic structure of atoms. Prerequisite: Physics 302.

325. Solid State Physics.

An introduction to solid state physics, crystal structure, thermal, dielectric, magnetic properties of solids, band theory and semiconductors. Prerequisite: Physics 302.

326. Nuclear Physics.

An introduction to nuclear physics, nuclear atom, experimental techniques, static and dynamic properties of nuclei, nuclear stability and nuclear spectra. Prerequisite: Physics 302.

354. Classical Mechanics.

Theoretical classical mechanics, variational principles, Lagrange's and Hamilton's equations. Prerequisites: Physics 208, Mathematics 254.

355. Classical Electromagnetic Theory.

Advanced electromagnetic theory, Maxwell's equations and their applications. Prerequisites: Physics 303, Mathematics 254.

356. Statistical Physics.

Thermodynamics, kinetic theory of gases and introductory statistical mechanics. Prerequisites: Physics 112, Mathematics 254.

401. Seminar.

Special topics in physics. Prerequisites: Physics 208, 210, 212, 302, 303, and either 308, 325, or 326.

410. Independent Study.

Individual project in advanced theoretical or experimental physics chosen by the student in consultation with the staff. Prerequisites: Physics 208, 210, 212, 302, 303, and either 308, 325, or 326.

The following courses are available to Monmouth students at Knox College:

Advanced Mechanics and Relativity.

Electromagnetics.

Quantum Mechanics.

PSYCHOLOGY

DOUGLAS A. ROSS, *Assistant Professor, Acting Chairman*

HAROLD J. RALSTON, *Professor (Classics)*

WILLIAM M. HASTINGS, *Instructor*

DENNIS K. KAMANO, *Visiting Lecturer*

CHARLES J. MELISKA, *Instructor*

CHARLES POTKAY, *Instructor (part-time)*

DEPARTMENTAL MAJOR

- (a) A minimum of eight term courses in psychology beyond 101, including 106, 201, 202, two from 301, 302, 305, plus 401. Math 103 is highly recommended. Ordinarily, biology should be taken to satisfy the College science requirement although chemistry or physics may be substituted under certain circumstances.
- (b) Graduate Record Examinations and a diagnostic examination are required of all majors in the third term of their junior year.

101. Introduction to Psychology.

An introduction to the study of behavior and experience. Prerequisite to all other courses in psychology.

106. Elementary Statistics.

See Mathematics 106. (Mathematics 340 may fulfill this requirement.)

201. Experimental Psychology I.

An introduction to the basic data, principles and methods in the study of psychology. Focus is upon experimental and statistical control of scientific writing. Prerequisite: Math 106.

202. Experimental Psychology II.

An introduction to the basic data, principles and methods in the study of complex psychological processes: learning, motivation, personality and social psychology. Prerequisite: 201 (laboratory).

204. Social Psychology.

Introduction to the scientific study of individual behavior in the social environment: attitudes, language, social learning and group processes.

221. Theories of Personality.

A critical examination of the major theoretical approaches to the study of personality and the current research in this area.

223. Abnormal Psychology.

Personality disorders and maladjustive behavior. Discussion of methods of psychotherapy.

225. Developmental Psychology.

Study of development from conception through adolescence. Emphasis on maturation, experience, and learning.

301. Perception.

A study of psychophysics and perception. Current problems and theories are examined. Prerequisite: Psychology 201 or consent of the instructor.

302. Motivation.

A study of the data and theories of the motivation of behavior. Homeostatic, ethological, activation, and learning theory models are investigated in terms of the data. Prerequisite: Psychology 202 or consent of the instructor

303. Abilities.

A study of human abilities and their measurement, and the nature of individual differences.

305. Learning.

A study of the empirical data and theories of learning. Prerequisite: Psychology 202 or the consent of the instructor.

306. Cognition.

A study of the more complex phenomena in behavior, such as concept formation, symbolic processes, thought, language, and decisions. Prerequisite: consent of the instructor.

307. Physiological Psychology.

A study of the mechanisms underlying behavioral phenomena, with major emphasis on brain functions in learning, motivation and perception (laboratory).

309. Theoretical Problems in Psychology.

Senior Seminar: Historical overview of theories and problems in psychology.

311. Seminar.

Assigned readings, oral and written reports, and group discussion on pertinent problems in psychology. Open to majors or to those who have had five courses in the field. May be repeated for credit.

401. Independent Study.

Directed individual study, generally in the form of an experimental project. A formal oral presentation is expected at the conclusion of the study. Required of all students majoring in psychology.

402. Independent Study.

A continuation of 401 as required.

SOCIOLOGY

J. STAFFORD WEEKS, *Associate Professor, Acting Chairman*

CHARLES P. FLYNN, *Instructor*

RICHARD S. HERMAN, *Instructor*

JAMES M. MANNON, *Instructor*

DEPARTMENTAL MAJOR

- (a) Two sociology courses at the sophomore level, including 210.
- (b) At least six courses selected from those numbered 300 or above, including 317, 401, and 402.

201. Introduction to Cultural Anthropology.

Brief review of prehistoric race, language and culture, economic and social institutions, religion, art, attitudes, and values of native peoples.

203. Societies Around the World.

A comprehensive, systematic study of the chief types of societies, ranging from the primitive to the advanced industrial, in the major habitats of the world.

206. The Family.

A study of the family as a social institution: its forms, function, development, organization, factors of disorganization and trends.

210. Introduction to Sociology.

Introductory analysis and description of the structure and dynamics of human society. Application of scientific methods to the observation and analysis of composition, social norms, group behavior, social stratification, social institutions and social change.

211. Social Problems.

Introductory survey of sociological aspects of important modern social problems. Emphasis on social interrelationship and cultural differences involved in their genesis, significance and amelioration or prevention. Library reading and special reports. Prerequisite: Sociology 210 or consent of the instructor.

304. Home and Family Life.

Analysis of psychological and sociological aspects of home and family life. Consideration of necessary early adjustments to significant interpersonal changes basic in the achievement of companionship and emotional interdependence. Prerequisite: Sociology 206 or consent of instructor.

305. Population in Transition in the United States: Demography.

A study of the composition, distribution, movement and cultural patterns of population and ethnic groups in the United States and its various regions. Attention is given to scientific analysis of problems and trends. Prerequisite: Sociology 210.

306. Social Stratification.

System of social ranking with emphasis on class structure of the United States; power, prestige and privilege as related to class differences; the culture and styles of life in different classes, status as determinant of personality, interaction and development, effect of social change and mobility. Prerequisite: Sociology 210.

308. Sociology of the Community.

Nature, structure, and functions of various types of communities; their characteristics, group relations, and social institutions (home, school, church, government, health, wealth, leisure); modern trends molding rural and urban life. Attention is given to methods of modern redevelopment. Prerequisite: Sociology 210, 211, and/or 305. (alternate years)

310. Crime and Delinquency.

The nature, extent and explanations of crime and delinquency; historical development of criminological thoughts, modern approaches and methods; a review of the theories of treatment and evaluation of programs for prevention and rehabilitation. Prerequisite: Sociology 210.

312. Racial Tensions and Cultural Conflicts.

A survey of racial and cultural conflicts in contemporary civilization: theories of race and culture; relations between racial and cultural groups in specific situations in strategic areas of the world; the status of racial, religious, and ethnic minorities in the United States; organization, programs, and social movements designed to improve intergroup relationships. Prerequisites: Sociology 210 and 211. (alternate years)

314. Introduction to Social Work.

A survey of the field of social work. Historical development of social work concepts and philosophy; the present system and organization of social welfare and administration; the role of social work in contemporary society. Prerequisites: Sociology 206, 210, 211.

316. Social Change.

The implications of science and technology for social change; effects of innovation upon social relationships; theories of social change, social effects of major inventions; a cross-cultural analysis of the processes of "industrialism." Prerequisites: Sociology 210 and 305 or 308.

317. Sociological Theory.

Development of social thoughts and theories in historical perspectives; comparison and critical analysis of contemporary sociological theories with emphasis on the epistemological relevance to the current social problems in the world. Prerequisites: Sociology 306 and 316, or by the consent of the instructor.

401. Seminar.

Reading and research designed to give a background in historical development, information concerning leaders, techniques and procedures, principles, projects, and practices in original field research. Oral and written work required. Open to sociology majors or by the consent of the instructor.

402. Independent Study.

Introduction into an individual problem in a subject of interest to the student. Practice in library research, the use of specific research techniques and procedures, and field research. Oral and written work is required. Open to sociology majors or by the consent of the instructor. Prerequisite: Sociology 401.

403. Urban Sociology: Seminar.

An analysis of the urban community. Includes nature, structure, interaction, and relationships evidenced by population, migration, housing, welfare programs, and juvenile delinquency. This course is part of the Associated Colleges of the Midwest Urban Education Program.

405. Contemporary Society: Russia.

Description and analysis of social, economic, and political life against a background of geography, population, and development; values and ideology; family and education; communication and public opinion. Open only to seniors.
(alternate years)

406. Contemporary Society: Cultures of the Far East.

The peoples, cultures, economy, religious life, government organizations, family life, social organization, ideology, and socio-cultural change and development. Open only to seniors. See also History 406.
(alternate years)

The following courses are available to Monmouth students at Knox College:

Urban Problems.

Sociology of Science.

Small Groups.

American Indians.

Folk Cultures in the Modern World.

SPEECH

JEAN E. LIEDMAN, *Professor, Acting Chairman*

JOHN R. SHERMAN, *Assistant Professor*

ROBERT F. BARTON, *Instructor*

JAMES L. DeYOUNG, *Instructor*

MARY J. SHERMAN, *Instructor (part-time)*

DEPARTMENTAL MAJOR

- (a) A minimum of eight courses in addition to Speech 101, including 215, 221, 303, 316, 351, and 403.
- (b) Performance in dramatic production and/or intercollegiate forensics.

100. Theater Workshop.

Open to all students. Credit is given for satisfactory participation in the production of plays including both acting and the technical areas of scene construction, lighting, costuming, and make up. May be elected for a maximum of twelve terms. One-sixth credit per term.

101. Fundamentals of Oral Communication.

Designed to help the student to understand the communicative process and to acquire knowledge and skill in selecting and evaluating speech materials, organizing and phrasing ideas, developing effective control of voice and action, and evaluating public speeches.

102. Rhetoric and Public Address.

Principles of rhetoric and public address. Special attention to matters of style, speeches for special occasions, persuasion, and parliamentary law.

103. Introduction to Theater Arts.

Open to all students. Through the reading of plays and selected writings on dramatic production and criticism, this course is designed to give the student a critical platform upon which to base evaluation of dramatic art. May be elected for Humanities credit.

200. Debate Seminar.

Theory and practice in the methods and techniques of intercollegiate debating. Enrollment by consent of the instructor. One-third term credit.

212. Principles of Acting.

This course introduces the student to the art and history of acting. Practical application of theory and training in technique is obtained through exercise and performance in selected scenes. Theater 103 and instructor's permission required.
(alternate years)

215. Stagecraft and Scene Design.

A study of the technical and theoretical elements of dramatic production, combined with practical exercises in drafting, design, lighting, costuming, and make up. Prerequisite: Speech 103 or consent of the instructor.

221. Oral Interpretation of Literature.

A study of principles and types of literature from the viewpoint of the oral interpreter. Emphasis is given to the essay, poetry and narrative prose

303. Discussion and Debate.

The theory and application of argumentation to discussion and debate. A study of evidence, reasoning, and methods of briefing. Laboratory exercise in discussion and debate. Prerequisite: Speech 102, or consent of the instructor.
(alternate years)

311. History of the Theater.

A survey of the theater of the Western world from pre-Greek to the nineteenth century. Emphasis on the evolution of play writing, acting, and directing, production elements, audiences, and theater architecture. Although material insures integration with courses in dramatic literature offered by other departments, the approach is primarily theatrical.
(alternate years)

315. Oration Seminar.

Theory and practice in the methods of extemporaneous speaking and oratory designed for intercollegiate competition. Enrollment by consent of the instructor. One-third term credit.

316. Principles of Stage Directing.

A course designed to introduce the beginning student to the practical and theoretical aspects of directing. Readings in directing theory are combined with exercises in play selection, analysis, pictorial composition, stage movement and general production planning. Each student casts and directs a short scene or a one-act play. Prerequisite: Speech 215 or consent of the instructor.
(alternate years)

322. Advanced Oral Interpretation.

A continuation of Speech 221 with special emphasis on dramatic literature, prose and poetry. Prerequisite: Speech 221.
(alternate years)



351. Scientific Bases of Speech.

An introduction to the scientific aspects of speech, including voice science, phonetics and communication.
(alternate years)

352. Introduction to Speech Correction.

A study of the process of normal speech development and the causes and treatment of various speech disorders.
(alternate years)

401. Independent Study.

An individual program of reading and research under the guidance of the instructor.

403. Seminar in Speech.

A course for speech majors designed to coordinate studies in public address, theater arts, and speech science.

410. Independent Study.

A continuation of 401.

445. Advanced Play Production.

Complete production of a play for laboratory or public performance along with suitable written analysis. May be elected a maximum of three terms. Prerequisite: Speech 316. One third term credit.

ACADEMIC REGULATIONS

Attendance

Responsibility for class attendance is placed upon the individual student, except as limited by these regulations:

1. Courses of study are planned and organized upon the assumption that the student will be in regular attendance. The student is responsible for all work covered in the course, including lectures, class discussions, assignments of any kind and all examinations. However, students need not make application to have absences excused and need not make any explanation of class absences.
2. Attendance is required at the last meeting of a class before, and at the first meeting of a class after a college vacation. Students with unexcused class absences on these days will be charged a \$10 fee for each class missed. Absences are excused for illness and emergencies only. All excuses must be approved by the Dean of Students.
3. A student whose record in a course is suffering because of frequent absences may be required by his instructor or the Dean of the College to give up the privileges of these regulations and, during the remainder of the term, explain all absences. This action may be taken at any time during a term.

Registration

During the seventh week of each term, currently enrolled students will register for the following term. New students will register during the orientation period preceding the fall term. Courses are selected in consultation with the student's faculty adviser.

All changes in registration require written permission of the course instructor and the student's adviser. A fee of \$5 is charged for each course change made after the first week of classes. No student may add a course after the first week of classes. No student may drop a course after the fifth week of classes except for illness or other circumstances beyond the student's control.

Normally, students will register for three full courses each term. A full term course typically meets four times weekly for fifty-minute periods, exclusive of laboratory sessions. All courses are regarded as term courses with the exception of fractional courses in studio art, applied music, dramatics, and computer programming.

Students are permitted to register for a fourth full course during a term if no fractional courses are taken during that term and if a 3.0 (B) or better grade average has been achieved in each of the two preceding terms. In no case is a student permitted to register for more than four courses including fractional courses in any one term.

The Grading System

All academic work at Monmouth College is graded as follows:

Grade	Points	
A	4	F — Failure
B	3	WF — Withdrawn Failing
C+	2.5	W — Withdrawn Passing
C	2	I — Incomplete
D	1	IP — In Progress
F, WF, I	0	S — Satisfactory
		U — Unsatisfactory

The grade-point average is determined by dividing the total grade-points earned during the term by the number of courses taken. The cumulative average is the total of all grade-points earned, divided by the total number of term courses taken. Courses transferred from other institutions are not included in calculating the grade-point average.

If a course is repeated, only the final grade earned will be included in calculating the cumulative grade-point average.

The *I* (*Incomplete*) grade signifies that work in the course is incomplete due to illness or circumstances beyond the control of the student or that the instructor feels further evaluation is needed to determine the grade. Unless the *I* is removed by the seventh week of the next term, the grade automatically becomes an *F* (*Failure*).

In seminars and other independent study courses where the work of the course cannot be completed in one term, the grade *IP* (*In Progress*) is given. This grade is not used in calculating the grade-point average. The appropriate letter grade will be given on completion of the work, but it becomes an *F* if not completed by the end of the following term, unless the chairman of the department has authorized an extension.

The *W* grade is given when the student withdraws from a course: (1) during the first two weeks, or (2) during the third, fourth, or fifth week if he is passing at the time. In order to withdraw from a course after the second week, a student must have the approval of the instructor, his adviser, and the Dean of the College. A student cannot withdraw from a course after the fifth week of classes except for illness or circumstances beyond his control.

The *WF* grade is given when a student withdraws from a course after the second week and is failing at the time of withdrawal.

If, after the fifth week of a term, a student is dismissed or suspended or if he withdraws from Monmouth College, he may be assigned grades of *W* or *WF* with the approval of the instructor, his adviser, and the Dean of the College. Otherwise the *F* grade will be given. In cases where the work has been completed prior to the suspension, dismissal, or withdrawal, the student shall receive the grade earned in the course.

Transcripts issued after a disciplinary suspension period has been completed will make no reference to the penalty. Such suspension will be for at least the remainder of the academic term in which the action was taken, and no refunds will be made.

S/U Grading System

Students are permitted to register for a limited number of courses to be graded on an *S/U* (*Satisfactory/Unsatisfactory*) basis. The *S* grade shall be given for performance of *C* or better; otherwise the grade of *U* shall be given. Such grades shall not be included in the calculation of term or cumulative grade point averages. Only those courses in which the grade of *S* is earned will count as credit earned. The following restrictions apply:

1. The *S/U* option is available only to sophomores, juniors and seniors who are in good academic standing and have cumulative grade point averages of at least 2.0.
2. A student may, with his adviser's approval, register on a *S/U* basis for one course per term up to a total of six courses, no more than two of which are in the same department.
3. If a student plans to take a course on the *S/U* basis, he will indicate this during registration. However, he will be permitted to change his registration from a regular grade basis to a *S/U* basis during the first week of the term and from a *S/U* basis to a regular basis during the first five weeks of the term.
4. The instructor shall not be notified which students are taking a course on an *S/U* basis. Each faculty member shall report regular letter grades and Registrar shall, where appropriate, convert the grades to *S* or *U*.

Academic Probation

A student is placed on academic probation for the following term if: (1) he fails to make a grade-point average of at least 1.6, or (2) his cumulative grade-point average falls below 1.6 if he has completed not more than six courses, 1.8 if he has completed more than six but not more than nineteen courses, 2.0 if he has completed more than nineteen courses. The cumulative grade-point is based on all credit courses taken at Monmouth College.

A student who is on probation for the first time and fails to remove himself from probation at the end of that term may be required to withdraw from the College for at least one term.

A student who has been placed on probation for two consecutive terms and fails to achieve at least a 2.0 grade-point average in the following term will be required to withdraw from the College for at least one academic year.

Classification

Students are classified on the basis of the progress they make toward course credits for graduation. A student who has satisfactorily completed nine term courses of college credit is classified as a sophomore; eighteen term courses, a junior; twenty-seven term courses, a senior.

Degrees

Candidates for the Bachelor of Arts degree must make formal application to the Registrar one year in advance of their expected graduation. The course work may be completed at the close of any term, but the formal Commencement will be held in June. The senior year must be spent in residence at Monmouth College.

Honors at Graduation

Honors at graduation consist of College Honors or Departmental Honors or both.

COLLEGE HONORS. To be eligible to graduate *cum laude* a student shall have a cumulative grade-point average of 3.5 or higher. To be eligible to graduate *magna cum laude*, a student shall have a cumulative grade-point average of 3.75 or higher. To be eligible to graduate *summa cum laude*, a student shall have a cumulative grade-point average of 3.9 or higher.

DEPARTMENTAL HONORS. Outstanding performance in the fields of concentration will be recognized as a degree "with Honors" in the appropriate subject. Individual departments will award this honor on the basis of a student's performance in the departmental comprehensive examination or other specially designed honor project.

Credit by Examination

A student in good academic standing may earn credit in a course by satisfactory performance on an examination which is administered by the department concerned and is sufficiently comprehensive to prove mastery of the course. Such an examination may require a written part, an oral part, a term paper, and a laboratory experience. Performance at the C level shall be the minimum acceptable; however, individual departments may set higher standards. A student may not earn credit by examination for any course for which he has already earned credit. A maximum of one term course credit per term can be earned through credit by examination. The fee is \$100 for each examination.

Prior to taking such an examination, a student must secure the written approval of his adviser, the chairman of the department, the instructor who will administer the examination, and the Dean of the

College. The student shall be advised of the scope of the examination and whether the department requires minimum performance of a higher level than C.

Transfer of Credits

Courses taken at other accredited institutions will be transferred on the basis of .3 term course credits per semester hour credit providing a grade of C or better was received and the course is acceptable at Monmouth College. Grades of courses transferred are not included in calculating grade-point averages.

Any junior college graduate who has been admitted to Monmouth College and who has completed a college transfer program will be admitted with junior standing (i.e. eighteen term courses of transfer credit).



options

ADMISSION

The Monmouth College admissions committee bases its decision on the high school academic record, recommendations of the high school principal or counselor, extra-curricular activities, and scores on aptitude and achievement tests.

Admission to the College is open to men and women of all races and all religious affiliations.

The Campus Visit

Prospective students are encouraged to make appointments and visit Monmouth College. Experience has shown the campus visit is an ideal way to form firsthand impressions of the College. The Admissions Office is open from 8:00 a.m. to 4:30 p.m., Monday through Friday, when prospective students and their parents may visit classes, talk with students and professors and see the campus. The Admissions Office is also open Saturdays from 9:00 a.m. to 12:00 noon. Appointments for campus visits should be made by writing or calling the Admissions Office.

In addition to the admissions counselors who are in the Admissions Office on campus, Monmouth College has regional admissions counselors in Chicago, St. Louis, and on the East Coast.

Requirements for Admission

Candidates for admission to Monmouth College must present a minimum of fifteen secondary school units, twelve of them in English, history, social science, foreign language, mathematics, and science (a unit is a subject carried for one school year). All applicants must also present the results of the College Board Scholastic Aptitude Test. Students are urged to take this test during the first part of their senior year, although junior tests are acceptable.

Results of the College Board Achievement Tests in Mathematics Level I or II, English Composition, and a foreign language are required for counseling and placement purposes. These achievement tests must be taken during the senior year, but do not need to have been completed at the time of application.

Application Procedure

1. The freshman or transfer student wishing to be admitted to Monmouth College should request application material from the Director of Admissions.
2. The application material must be completed and returned to the College with the \$15.00 application fee. (This fee is not refundable and is not applicable to other college expenses.)
3. Results of the Scholastic Aptitude Tests of a freshman applicant

must be received by the College before the application can be acted upon. Testing dates and locations and other information about the tests may be obtained from the Educational Testing Service, P. O. Box 176, Princeton, N. J., 08540; 1947 Church Street, Berkeley, Calif. 94704; 610 Church Street, Evanston, Ill. 60201; or from the high school counselor.

Transfer Applicants

1. Transfer students are admitted at the beginning of each of the three terms or for the summer session.
2. Inaddition to the application material mentioned above, transcripts of all previous college work must be sent to the Admissions Office.

Notification of Acceptance

All applications to Monmouth College are processed as soon as they arrive. Applicants are generally notified of the Committee's action within a month after the completed application is filed.

Candidates' Reply

All candidates for admission are required to send a \$100 deposit to confirm their acceptance. This deposit will be applied to tuition and charges for the final term that the student attends Monmouth College. A \$25 room deposit is also required. Rooms are reserved in the order in which deposits are received.

Early Decision

The Monmouth College Early Decision Plan is designed to provide superior students an opportunity to complete their college plans by December of their senior year. Offered as an alternate plan to regular admission procedure, the Early Decision Plan eliminates the need for multiple applications.

A student qualifying for an early admission decision must rank in the top twenty percent of his high school class at the end of six semesters and must present the results of the Scholastic Aptitude Test of the College Entrance Examination Board with a minimum total of 1100 verbal and mathematics combined scores.

Students desiring Early Decision must have all application materials on file with the College by November 15. Junior SAT scores are acceptable. Notification will be made no later than December 15.

Advanced Placement for Freshmen

Monmouth grants advanced placement, college credit and reduction of the distribution requirements to entering students who have demonstrated college-level preparation. Advanced Placement tests of the College Entrance Examination Board, tests given at Monmouth during

orientation week, and high school records may be used as a basis for granting advanced placement.

Application for advanced placement should be made to the Dean of the College. Credit may be recorded if it does not void necessary admissions units. The granting of credit is authorized by the Dean of the College upon recommendation of the instructor who gives the course, the head of the department concerned, and the student's faculty adviser.

Honors-at-Entrance

To recognize and reward outstanding achievement by high school seniors applying for admission to Monmouth College, an Honors-at-Entrance program has been established. A student may qualify for Honors-at-Entrance whether or not he has received financial aid.

High school seniors who rank in the upper ten percent of their graduating class will receive Honors-at-Entrance, including a certificate of merit issued by the College prior to the beginning of the academic year and listing as Honors-at-Entrance students in honors convocation programs.

Honors-at-Entrance students also participate in the Faculty-Freshman Honors Symposia, a series of informal discussion meetings in faculty homes which fosters an interchange of ideas between faculty members and honor students early in the students' years at Monmouth.

Single Application Method

As a member of the Associated Colleges of the Midwest, Monmouth offers applicants who desire to apply at two or more ACM schools the opportunity to apply through the Single Application Method. Details on SAM are available from the Admissions Office.

COSTS

Charges for attending Monmouth College are comparable with the high standards of academic excellence which the College maintains and advances. Tuition and fees of the individual student, however, cover less than the total cost of the Monmouth educational program. The balance is comprised of gifts to the College from its alumni, parents of students, friends, foundations, corporations and endowments.

Students who qualify academically and are in need of financial assistance can expect careful consideration at Monmouth College. Scholarships, student loans and campus employment can be combined to assist worthy students. Monmouth's financial program is designed so that as far as possible, no student who qualifies will be denied a Monmouth education because he lacks financial resources.

In addition, Monmouth College participates in two Federal Loan



programs which aid in the financing of a student's education. These include the College Student Guaranteed Loan Program and the National Defense Student Loan Program. Monmouth College also makes available a pre-payment plan for those preferring monthly payments.

Tuition and Fees

1969-70

Tuition	\$2150.00
Board and Room	900.00
Student Activity Fee	33.50

The charge for tuition and fees is \$717 for one term and \$2,150 for all three terms. This includes instruction and laboratory fees, student health service, student health insurance coverage, admission to all athletic contests, concert-lecture series events, and plays. A student activity fee of \$33.50 for the year is assessed and used by the Student Association for the student newspaper, yearbook and literary magazine as well as special social events on campus. Charges for laboratory breakage and art supplies are billed at the end of each term. An estimated \$500 will be necessary for books, supplies, clothing, recreation and other miscellaneous and personal items.

Room and Board Charges

The charge for room and board, including weekly bed linen service, for the 1969-70 academic year is \$900. During the academic year, twenty-one meals are served weekly in the dining hall. The first meal following a vacation period will be the morning of the day classes are resumed. The dining room will be closed during the period between final examinations and registration for a new term.

Part-time Students

Students enrolled for less than a two-term course load are considered to be part-time students. Written permission to be a part-time student must be obtained from the Dean of the College prior to the beginning of the term. Tuition for part-time students is charged at the rate of \$240 per term course. Students carrying two or more courses must pay full tuition.

Auditing Courses

Full-time students may audit courses without credit and without charge in addition to their regular academic program. The students, however, must have the permission of the instructor and the approval of the Dean of the College. Written permission of the instructor is required before an audited course is listed on the student's permanent record. Part-time students will be charged \$120 per course audited.

Special Examinations

Students who have unexcused absences from a regular final examination or an announced hour test may be permitted to take a special make-up examination at the discretion of the instructor. The fee is \$10 for a final examination, \$5 for an announced hour test. A statement from the business office showing the fee has been paid must be presented before the examination will be administered.

Transcripts

Each student is entitled to two free transcripts showing his work at the College. A fee of \$1 will be charged for each additional transcript. No transcript will be issued until the student's account has been paid.

Advance Deposit

When notified of admission, new students are required to pay a \$100 advance deposit to be applied to tuition and charges for the final term at Monmouth College. The \$100 deposit will not be refunded if a student fails to enter first term or withdraws from the College and fails to notify the Registrar in writing before the first day of the following term. Room reservations, pre-registration for classes and Student Aid commitments cannot be made until the advance deposit is received.

Payments

One-third of the annual charges for tuition, room and board is due prior to the first day of each term. One-third of any financial aid other than hourly employment may be deducted from the balance due each term.

Parents who desire to spread payment over several months may use the Monmouth College Pre-payment Plan or one of several commercial plans available.

The Monmouth College Pre-Payment Plan consists of twelve payments. There is no charge for this plan; however, the parent or student is not covered by life or permanent disability insurance. Monthly reminders are not sent, and if this plan is selected after June 10, past payments must be made up.

June 10	.....	200.00
July 10	.....	200.00
August 10	.....	200.00
September 15 (includes Student Activity Fee)	.428.50*	
October 10	.....	200.00
November 10	.....	200.00
December 10	.....	200.00
December 26 (includes Student Activity Fee)	.428.00*	

January 10	200.00
February 10.....	250.00
March 10	200.00
March 20 (includes Student Activity Fee).....	<u>377.00*</u>
	\$3,083.50

*These amounts will be reduced by the amount applied on account for financial aid, except for hourly employment. Other fees or charges will be billed when the expenses are incurred. A room reservation deposit of \$25 is not credited to board, room and tuition charges.

Miscellaneous Fees

Achievement Test fee.....	\$ 8.50
Application fee.....	15.00
Graduation fee (including cap and gown rental).....	18.00
Student Teaching fee (Education 401, 401S, 402, 402S.....)	10.00
Course credit by examination.....	100.00
Late Registration fee.....	10.00
Late Payment fee.....	10.00
Changes of Registration fee (after first week of classes in each term).....	5.00
Readmit (unexcused absence each day before or after vacation), per course.....	10.00
Practice Room fee for piano, voice and instruments per term: One hour daily.....	5.00
Two hours daily.....	8.00
Organ rental fee, per term.....	20.00

The Business Office at Monmouth recommends that decisions on financing a student's education be made as early as possible to avoid last minute difficulties. Loan programs are listed under the financial aid section.

Refunds

If a student withdraws from the College, refunds of tuition only will be made in the following manner:

Two weeks or less.....	80 per cent
During the third week	60 per cent
During the fourth week	40 per cent
During the fifth week	20 per cent
Thereafter	no refund

*The first week ends on the first Saturday
after the opening of classes.*

No refund of tuition is made to a student dismissed or suspended for disciplinary reasons.

Refunds of board charges will be based on the unused portion of the term, less a penalty of two weeks.

Room rent is not refundable under any circumstances. Students unable to abide by residence hall regulations or who show marked unwillingness to cooperate with the house director may be asked to move from their rooms without privilege of refund.

FINANCIAL AID

Students who meet admissions standards may apply for financial assistance if a financial need exists.

To determine financial need, a student and his parents prepare a College Scholarship Service Parents' Confidential Statement, giving information about the family's income, assets, debts, and other conditions affecting the student's resources. The form is sent by the applicant to the College Scholarship Service which computes an estimate of the family's financial means and furnishes a report to the College. The report states how much the family might reasonably be expected to pay toward the student's college expenses. The PCS report, with other information the College may have, determines the amount and types of financial aid which may be awarded. Parents' Confidential Statement forms may be obtained from high school guidance offices or from the Office of Student Aid and Placement at Monmouth College.

All awards are for one year. Continued financial aid can be requested and is awarded on the basis of the student's resources determined from the current Parents' Confidential Statement and the availability of funds. Failure to maintain the required scholastic average will result in withdrawal of the financial aid award.

Students holding awards must re-apply before March 15 each year to obtain aid for the following academic year.

Scholarships

Freshman awards are made to students whose ability, character and promise of achievement are outstanding. The amount depends on financial need and scholastic standing.

Upperclassmen with financial need who have maintained a cumulative grade-point average of at least 2.0, and whose ability, character and college record indicate a continued high achievement are eligible for scholarships.

Non-commuting students receiving scholarships must live in college housing, if available.

Educational Opportunity Grant Program

The Educational Opportunity Grant Program, authorized by the Higher Education Act of 1965, began in the fall of 1966. Its main purpose is to



make a college education available to high school graduates of exceptional financial need.

Grants ranging from \$200 to \$1,000 are made to students for each of the four years of undergraduate study. Monmouth College selects student recipients.

Illinois State Scholarship Commission Program

Winners of the competitive Illinois State Scholarship may use their awards at Monmouth College. Students must re-apply each year to the Illinois State Scholarship Commission.

National Defense Student Loan Program

Monmouth provides National Defense Student Loan Funds from which qualified students may borrow each year an amount not to exceed \$1,000, to a total of \$5,000. The student makes repayment to the Monmouth College Service Center over a ten-year period beginning nine months after he ceases at least one-half time study. Interest at three per cent starts to accrue at the beginning of the repayment period. Repayment is not required and no interest accrues while the student borrower is serving in the Armed Forces, the Peace Corps, or VISTA (Volunteer in Service to America), up to a maximum of three years. Deferment also may be obtained while the borrower is pursuing at least half-time attendance at an accredited institution of higher education in the United States or at a comparable institution abroad.

For borrowers who enter the full-time teaching field, a maximum of fifty per cent of loan indebtedness plus interest may be canceled at the rate of ten per cent each year of teaching service. Borrowers who teach in certain eligible schools in areas of primarily low-income families may qualify for cancellation of their entire loan obligation at the rate of fifteen per cent per year.

Guaranteed Loan Program

The Guaranteed Loan Program provides for a student to borrow money for college expenses at low interest with the federal government subsidizing part of the interest for qualified students. Any student who is enrolled or accepted for enrollment at Monmouth may apply for a guaranteed loan for his educational expenses. Banks, savings and loan associations, insurance companies and similar lending institutions may be lenders under the Guaranteed Loan Program. The maximum amount a student may borrow varies from \$1,000 to \$1,500 yearly. Students with an adjusted family income of less than \$15,000 a year pay no interest while in school.

The student borrower begins repayment to the lender when he graduates or withdraws from school. During the repayment period, the federal government will pay part of the interest (three per cent) on the unpaid balance. Application forms may be obtained from participating lending agencies.

United Student Aid Funds, Inc.

Loans granted through the United Student Aid Funds, Inc., also are available. This is a national non-profit corporation established to endorse bank loans up to \$1,000 a year at a maximum of six per cent interest to deserving college students who could not otherwise obtain such loans. Applications are available from the Office of Student Aid and Placement or participating lending institutions.

Other Loan Funds

Monmouth College administers the Mary Janet Downie Loan Fund established in memory of Mary Janet Downie by her parents, Mr. and Mrs. Walter Downie, and the Jeanette McFarland Loan Fund established under the will of Miss Jeanette McFarland of Cambridge, Ohio. Loan funds are also available through the Henry Strong Educational Foundation and the Albert N. Merritt Foundation.

Part-time Student Employment

There are approximately 200 part-time student jobs available on campus, which include office clerical work, building and campus maintenance, switchboard operation, residence hall desk duty, library clerical work, residence hall counseling and food service duties. Residence hall counseling positions pay a stipulated amount per year. Other jobs are at varying hourly rates, paid monthly.

Student assistantships in the various instructional departments provide a limited number of jobs to upperclass students recommended by department heads.

The Office of Student Aid Placement lists community part-time jobs and notifies students who have indicated an interest in part-time work.

Scholarships, Prizes, and Endowment

The scholarships, prizes, and endowed funds listed below have been made possible through the generosity of alumni and friends of the College and through other organizations and businesses interested in supporting independent higher education. It is hoped that recipients of financial aid will in later life, when circumstances permit, help to continue this program for the benefit of future generations of students.

Endowed Scholarships

ADDLEMAN SCHOLARSHIP

DR. AND MRS. J. A. BARNES SCHOLARSHIP

SARAH HOLMES BIGGER SCHOLARSHIP

BIGGSVILLE SCHOLARSHIP

BOHART SCHOLARSHIP
N. H. AND ISABELLE BROWN SCHOLARSHIP
GEORGE H. BRUSH SCHOLARSHIP
J. BOYD CAMPBELL SCHOLARSHIPS
HATTIE BOYD CAMPBELL SCHOLARSHIP
FRANK M. CARNAHAN MUSIC SCHOLARSHIP
JOHN CAROTHERS SCHOLARSHIPS
CLASS OF 1901 SCHOLARSHIP
CRIMSON MASQUE SCHOLARSHIP
C. G. DENISON-WILLIAM M. STORY SCHOLARSHIP
JOHN S. AND MARY LOUISE DIFFENBAUGH SCHOLARSHIP
LOIS DIFFENBAUGH SCHOLARSHIP
ELDER MINISTERIAL AND CHRISTIAN WORK SCHOLARSHIP
BELL A. ELLIOTT SCHOLARSHIP
ELMIRA SCHOLARSHIP
JOHN Q. FINDLEY SCHOLARSHIP
FIRST WASHINGTON SCHOLARSHIP
FREW SCHOLARSHIPS
ALVIN W. GALLOWAY SCHOLARSHIP
GARRITY SCHOLARSHIP
GIBSON SCHOLARSHIP
JOHN CHARLES HANNA SCHOLARSHIP
SMITH HAMILL SCHOLARSHIP
HANOVER SCHOLARSHIP
HARMONY MEMORIAL SCHOLARSHIP
JANET SHAW HAYES SCHOLARSHIP
LUCIA ELLIOTT HILL SCHOLARSHIP
MABEL HINMANN SCHOLARSHIP
HUME SCHOLARSHIP
ANDREW JOHNSTON SCHOLARSHIP
JOHNSTON SCHOLARSHIP
ELIZABETH M. KELLER SCHOLARSHIP
EMMA BROWNLEE KILGORE SCHOLARSHIP
MRS. MARY ELIZABETH KILPATRICK SCHOLARSHIP
JANE KINKAID SCHOLARSHIP
MATTIE KINKAID SCHOLARSHIP
JOHN BARNES KRITZER SCHOLARSHIP
LAFFERTY SCHOLARSHIPS

MARGARET LORD MUSIC SCHOLARSHIP
OLIVE J. LOWRY SCHOLARSHIP
M. M. MAYNARD MEMORIAL SCHOLARSHIP
KATHRYN ARBELLA McCAUGHAN SCHOLARSHIP
MARY COOKE McCONNELL MEMORIAL SCHOLARSHIP
HOMER McKAY SCHOLARSHIP
McLAUGHLIN BROTHERS SCHOLARSHIP
SPECIAL ANNIVERSARY SCHOLARSHIP,
MRS. MINNIE McDILL McMICHAEL
LOUISE C. AND MAX W. MILLS SCHOLARSHIP
NASH SCHOLARSHIPS
MILDRED STEELE NEARING SCHOLARSHIPS
NORWOOD SCHOLARSHIP
LaVERNE NOYES SCHOLARSHIP
ADAM OLIVER SCHOLARSHIP
ROBERT Y. PARK SCHOLARSHIP
LUELLA OLIVE PARSHALL SCHOLARSHIP
MARGARET POLLACK SCHOLARSHIP
MARGARET WHITE POTTER MEMORIAL SCHOLARSHIP
PRUGH SCHOLARSHIP
READER'S DIGEST FOUNDATION SCHOLARSHIP
PRUDENCE MARGARET SCHENK SCHOLARSHIP
MARION B. SEXTON SCHOLARSHIP
SHIELDS SCHOLARSHIPS
SOMONAUK SCHOLARSHIP
SPRING HILL SCHOLARSHIP
ST. CLAIR SCHOLARSHIP
STRONGHURST SCHOLARSHIP
J. B. TAYLOR SCHOLARSHIP
NANNIE J. J. TAYLOR SCHOLARSHIP
ESTHER M. THOMPSON SCHOLARSHIP FUND
MARTHA THOMPSON SCHOLARSHIPS
HENRY A. TODD SCHOLARSHIP
J. L. VAN GUNDY SCHOLARSHIP
ADALINE WILKIN WADDELL SCHOLARSHIP
MARTHA WALLACE SCHOLARSHIP
J. F. WATSON SCHOLARSHIP
WHITE SCHOLARSHIP

DAVID A. AND ELIZABETH CAMERON WHITEMAN SCHOLARSHIP
ELI B. AND HARRIET B. WILLIAMS FUND
WOODBURN MEMORIAL SCHOLARSHIP
WOODS SCHOLARSHIPS
MARGARET N. WORDON SCHOLARSHIP
JOHN WRIGHT SCHOLARSHIP
XENIA SCHOLARSHIP

Special Scholarships

BOARD OF CHRISTIAN EDUCATION SCHOLARSHIP
PEG STONEROOK BRINKER SCHOLARSHIP (TAU PI)
JILL VAN DUESSEN CLARK SCHOLARSHIP
EXCHANGE CLUB SCHOLARSHIP
GRADUATE "M" CLUB SCHOLARSHIP
ROBERT T. LUDWIGSEN MEMORIAL SCHOLARSHIP
"M" CLUB SCHOLARSHIP
MONMOUTH SAVINGS AND LOAN ASSOCIATION SCHOLARSHIP
NATIONAL BANK OF MONMOUTH SCHOLARSHIP
THE PRESIDENT'S SCHOLARSHIP
ROTARY CLUB SCHOLARSHIP

Prizes and Awards

FORENSICS EMBLEM

This medal is presented by the College and the Forensic League to those who have represented the College in intercollegiate debate or oratory.

THE SELIG AND SELMA EDELMAN PRIZE SCHOLARSHIP

This prize scholarship, representing the annual yield on a \$5,000 endowment, is awarded at the Spring Honors Convocation for the best essay dealing with the topic "Contemporary Values in the Old Testament." The essays are written in consultation with the Department of Bible and Religion and are judged by the members of that department.

THE BERNICE L. FOX LATIN PRIZE

This \$200 annual award, given by an anonymous donor, is made to a Latin student "whose progress is worthy of recognition." Miss Fox, associate professor of classical languages, will select recipients of the award.

THE CLIFF STRUTHERS HAMILTON PRIZE

A prize of \$400 is awarded to an outstanding senior chemistry major.

THE LULU JOHNSON McCOY PRIZES

These prizes, endowed by her husband, J. Clyde McCoy, consist of \$50 and \$25 to be awarded to students of outstanding quality who are majoring in music.

THE WILLIAM B. McKINLEY PRIZES IN ENGLISH

In 1925 Senator William B. McKinley of Illinois endowed two prizes of \$50 each to encourage individual research and advanced work in English. The prizes are awarded to students who offer the best theses on specially designed subjects.

LENA LEE POWELL PI BETA PHI PRIZE

This \$200 award, endowed by Ervin D. Powell, is awarded each year to a member of Alpha Chapter of Pi Beta Phi of exceptional quality.

MARY PORTER PHELPS PRIZE

A prize of \$50 is awarded to the student who, in the judgment of the faculty, has manifested superiority in scholarship, thrift and economy, and development of character. Only those who have completed at least two years' work at Monmouth College are eligible for this prize.

SIGMA TAU DELTA FRESHMAN PRIZES

Rho Alpha Chapter of Sigma Tau Delta offers three prizes on Commencement Day to the freshmen writing the best compositions in verse or prose. Entries must be prepared especially for this contest.

DAN EVERETT AND EVA CLARK WAID PRIZE

This prize of \$100 is endowed by Mr. and Mrs. Waid of New York, and is awarded by the faculty on the basis of all-around excellence and development.

THE WAID PRIZES

Six prizes are offered for biographical reading as a means of cultivating interest in biography among college students. Three prizes of \$25, \$15, and \$10 are offered to freshmen. Three similar prizes are available to members of the three upper classes. These prizes were endowed by Dan Everett Waid, '87.

Library Endowments

THE JOHN A. AND MARGARET J. ELLIOTT LIBRARY OF RELIGIOUS EDUCATION

THE KAPPA KAPPA GAMMA MEMORIAL FUND

THE JOHN LAWRENCE TEARE MEMORIAL LIBRARY FUND

Endowed Professorships

ALUMNI PROFESSORSHIP OF PHILOSOPHY, endowed by alumni of the College in 1881 and held by Dr. Samuel Thompson, Professor of Philosophy.

PRESSLY PROFESSORSHIP OF NATURAL SCIENCE, endowed by W. P. Pressly of Illinois in 1886 and held by Dr. John J. Ketterer, Professor of Biology.

JOHN YOUNG CHAIR OF BIBLE, endowed by the United Presbyterian Church Board of Christian Education and held by Dr. Charles J. Speeel, II, Professor of Bible and Religion.

Killough Lecture Fund

Endowed by the Hon. W. W. Stetson of Auburn, Maine, to bring speakers to the College campus.

Memorial Funds

Current memorial funds honoring former students and faculty members include:

JOHN ACHESON	ROBERT LUDWIGSEN
DR. HUGH R. BEVERIDGE	DLYDE E. MATSON
HAROLD BLAIR	MARIE MELOY
DEAN J. S. DLELAND	DAVID BRAINERD MOORE
ELEANOR GADDIS DAVIDSON	DR. C. A. OWEN
DONALD RALPH DOUGLASS	RICHARD V. OWEN, M. D.
MRS. E. A. FETHERSTONE	EDNA BROWNING RIGGS
A. Y. GRAHAM	HENRY SMITH
SUSAN HARR	DR. HUGH B. SPEER
PAUL LOHNER	T. ELEANOR WRIGHT

Others are the AHLENIUS, HAWES, LEONARD, MATCHETT and SOULE memorial funds.



MONMOUTH COLLEGE

THE MONMOUTH COLLEGE SENATE

Responsibility for the control and operation of the entire program of the College is vested by charter in the Monmouth College Senate. Meeting three times a year, the Senate sets policy for the College, oversees the activities of the faculty and administration and works with both groups in establishing plans for the long-range development of the institution.

Senate members come from widely varied geographical areas and represent a number of occupations and professions. The Senate includes six operating committees: academic affairs, nominations and degrees, finance and business affairs, physical facilities, development, and student affairs.

The Officers

DUNCAN WIMPRESS, President, Monmouth College, Monmouth, Illinois, *ex officio*.

LEE L. MORGAN, *Chairman*; Executive Vice President, Caterpillar Tractor Company, Peoria, Illinois.

N. BARR MILLER, '28, *Vice Chairman*; Partner, Haynes & Miller, Counselors at Law, Washington, D. C.

MRS. FREDERICK H. LAUDER, '18, *Secretary*; Monmouth, Illinois

MRS. H. A. LOYA, '40, *Assistant Secretary*, Secretary to the President, Monmouth College, Monmouth, Illinois.

CHALMER P. SPIKER, *Treasurer*; President (Retired), National Bank of Monmouth, Monmouth, Illinois.

ROBERT H. BARNETT, *Assistant Treasurer*, Business Manager, Monmouth College, Monmouth, Illinois.

Senate Emeriti

JOHN J. KRITZER, '15, Attorney, Monmouth, Illinois.

Senate Membership

ROBERT E. ACHESON, '28, Division Commercial Supervisor, Illinois Bell Telephone Company, Chicago, Illinois.

JOHN C. BAILAR, JR., Professor of Inorganic Chemistry, University of Illinois, Urbana, Illinois.

CORTLEY BURROUGHS, Pastor, First United Presbyterian Church, Alton, Illinois.

KENNETH E. CRITSER, Partner, Kritzer & Critser, Attorneys at Law, Monmouth, Illinois.

ROGER J. FRITZ, '50, President, Willamette University, Salem, Oregon.

RAYMOND C. GRILLS, '37, Director of Manufacturing, E. I. du Pont de Nemours & Company, Film Department, Wilmington, Delaware.

MISS PATRICIA HOFSTETTER, '48, Judge, Whittier Municipal Court, Whittier, California.

GORDON JACKSON, '40, Dean, Pittsburgh Theological Seminary, Pittsburgh, Pennsylvania.

SIGMUND W. KUNSTADTER, Chairman (Retired), The Formfit Company, Chicago, Illinois.

WILLIAM M. LeSEUR, '48, Division Head of Research and Development, The Lubrizol Corporation, Cleveland, Ohio.

JAMES M. LEXVOLD, '55, Chairman of the Board, Sauk Valley Manufacturing Company, St. Charles, Illinois.

MRS. RALPH A. LIDDLE, Fort Worth, Texas.

DANIEL M. MacMASTER, President, Museum of Science and Industry, Chicago, Illinois.

ROBERT T. McLOSKEY, '28, Legislative Consultant, Monmouth, Illinois.

GRAHAM McMILLAN, '37, Vice President, Research and Development, Commercial Solvents Corporation, Terre Haute, Indiana.

JAMES W. MARSHALL, M.D., '36, Physician, Monmouth, Illinois.

LOUIS W. MENK, President, Northern Pacific Railway Company, St. Paul, Minnesota.

HUGH MOFFETT, '31, Former Assistant Managing Editor, Life Magazine, New York, New York.

JAMES J. NIXON, JR., '50, Partner, Nixon, Gray & King, Attorneys at Law, Boston, Massachusetts.

BLAIR A. PHILLIPS, JR., First Vice President and Director, Shearson, Hamill and Company, New York, New York.

WILLIAM C. PINE, '39, Scholarship Program Director, Ford Motor Company Fund, Dearborn, Michigan.

JOSEPH L. RAYNIAK, Executive Vice President, Outboard Marine Corporation, Waukegan, Illinois.

JOHN SERVICE, '35, Sales Manager, John Deere Spreader Works, East Moline, Illinois.

RICHARD L. TERRELL, Group Vice President, General Motors Corporation, Detroit, Michigan.

DARROW THOMPSON, President, Thompson International Company, Incorporated, Phoenix, Arizona.

MILFORD D. WALSTON, Chairman of the Board, Walston Aviation, Incorporated, East Alton, Illinois.

PAUL E. WARFIELD, '24, Brigadier General, AUS (Retired), President, Warfield-McCullough, Monmouth, Illinois

DONALD G. WHITEMAN, '49, President, City Reconstruction Corporation, Los Angeles, California.

NEWTON WILSON, '29, President, Sky Chefs Incorporated, New York, New York.

H. DONALD WINBIGLER, '31, Academic Secretary, Stanford University, Stanford, California.

GEORGE E. WORCESTER, '30, Vice President, The Fulton Company, Milwaukee, Wisconsin.

McCLEAN WORK, '11, First Vice President (Retired), Ketchum, Incorporated, Pittsburgh, Pennsylvania.

THE FACULTY

DUNCAN WIMPRESS 1964
President. B.A., University of Oregon, 1946; M.A., *ibid.*, 1950; Ph.D., University of Denver, 1958.

Professors Emeriti

EVA H. CLELAND, Professor of English Emerita, Monmouth, Illinois.
EMMA GIBSON, Professor of Latin Emerita, Glendale, California.
ROBERT W. GIBSON, President Emeritus, Waverly, Ohio.
THOMAS H. HAMILTON, Professor of Appreciation of Art Emeritus, Monmouth, Illinois.
MADGE S. SANMANN, Professor of Sociology Emerita, Monmouth, Illinois.

Active Faculty

ALLISON, DAVID C. 1962
Associate Professor of Biology. B.S., University of Illinois, 1956; M.S., *ibid.*, 1957; Ph.D., Pennsylvania State University, 1960.

ANDREW, HENRY W. 1962
Assistant Professor of Physical Education. B.A., State College of Iowa, 1953; M.A., University of Iowa, 1960.

ANDREWS, SHIRLEY L. 1969
Instructor of Physical Education. B.S., Taylor University, 1965; M.S., Western Illinois University, 1969.

ARRISON, JOHN D. 1962
Assistant Professor of Mathematics. B.S., Michigan State University, 1956; M.S., *ibid.*, 1958.

BALL, ELWOOD H. 1953
Assistant Professor of Music and Dean of Men. B. Mus., University of Michigan, 1947; M. Mus., *ibid.*, 1952.

BARKS, PAUL A. 1968
Assistant Professor of Chemistry. B.A., Grinnell College, 1958; Ph.D., Iowa State University, 1963.

BEINEKE, THOMAS A. 1968
Assistant Professor of Chemistry. B.S., Ohio University, 1961; Ph.D., California Institute of Technology, 1966.

BLUM, HARLOW B. 1959
Associate Professor of Art. B.F.A., University of Illinois, 1956; M.A., Michigan State University, 1959; M.F.A., Syracuse University, 1966.

BOONE, G. E. 1965
Lecturer of Oriental Art. Commander, USN (Retired).

BOONE, KATHARINE P. 1965
Lecturer of Oriental Art. A.B., Monmouth College, 1930; M.A., Pennsylvania State University, 1936.

BOSWELL, GRACE H.	1962
Assistant Professor of English. A.B., LaGrange College, 1949; M.A. University of Georgia, 1952; Ph.D., <i>ibid.</i> , 1960.	
BOSWELL, R. D., JR.	1962
Professor of Mathematics. B.A., Mississippi State University, 1950; M.S., <i>ibid.</i> , 1951; Ph.D., University of Georgia, 1957.	
BOWMAN, MILTON L.	1959, 1968
Associate Professor of Biology. B.S., University of Louisville, 1951; M.A., University of Missouri, 1954; Ph.D., <i>ibid.</i> , 1959.	
BRINK, DANIEL T.	1969
Instructor of German. B.A., Lawrence University, 1962; M.A., University of Wisconsin, 1966.	
BRETT, CECIL C.	1963
Associate Professor of Government and History and Director, East Asian Studies. B.A., University of British Columbia, 1948; M.A., University of Washington, 1950; Ph.D., University of Michigan, 1956.	
BUCHHOLZ, ROBERT H.	1950
Professor of Biology. B.S., Fort Hays State College, 1949; M.S., Kansas State College, 1950; Ph.D., University of Missouri, 1957.	
CHEY, MYUNG	1969
Instructor of Government. L.L.B. Seoul National University, 1962; A.M., University of Illinois, 1967.	
COOKSEY, BENJAMIN F.	1965
Instructor of Biology. B.S., Kansas State College, 1960; M.S., <i>ibid.</i> , 1962.	
CRAMER, FERN W.	1946, 1957
Instructor of Mathematics. B.S.E., University of Arkansas, 1931 (part-time).	
CRAMER, PAUL	1946
Associate Professor of Mathematics and Engineering. A.B., Illinois College, 1925; M.A., University of Illinois, 1926.	
CROW, MARY B.	1946
Assistant Professor of History, A.B., Monmouth College, 1941; Ph.M., University of Wisconsin, 1945.	
DAVENPORT, KATYE L.	1959
Instructor of Education. A.B., Mississippi State College for Women, 1930; A.M., Peabody College, 1937. (part-time).	
DAVENPORT, F. GARVIN	1947
Professor of History and Director, Summer Session. A.B., Syracuse University, 1927; A.M., <i>ibid.</i> , 1928; Ph.D., Vanderbilt University, 1936.	
DAVISON, ANNA M.	1965
Reference Librarian and Instructor of Library Science. B.A., Indiana University, 1961; M.A., <i>ibid.</i> , 1963.	
DeYOUNG, JAMES L.	1963
Instructor of Speech. A.B., Beloit College, 1959; A.M., Bowling Green University, 1960.	
DeYOUNG, JANET W.	1965
Instructor of English. A.B., Beloit College, 1959. (part-time).	

DONALD, DOROTHY	1932
Professor of Spanish. A.B., Indiana University, 1921; A.M., <i>ibid.</i> , 1929; Ph.D., University of Wisconsin, 1941.	
DUNHAM, DAVID E.	1968
Assistant Professor of Chemistry. B.A., Wabash College, 1962; Ph.D., Ohio University, 1967.	
EBERSOLE, MARYLOU	1968
Instructor of Education. B.A., Swarthmore College, 1946; M.S., Purdue University, 1967. (part-time)	
EHLERT, DAVID L.	1967
Assistant Professor of Mathematics. B.A. Knox College, 1959; M.S., University of Chicago, 1961; Ph.D., <i>ibid.</i> , 1968.	
EVANS, CALVIN W.	1969
Instructor of English. B.A., Miami University, 1961; M.A., Vanderbilt University, 1969.	
FLEMING, MARY H.	1962
Instructor of Physical Education. B.S., MacMurray College, 1946. (part-time)	
FOX, BERNICE L.	1947
Associate Professor of Classics. A.B., Kentucky Wesleyan College, 1932; M.A., University of Kentucky, 1934.	
FLYNN, CHARLES P.	1969
Instructor of Sociology. A.B., Univ. of California at Berkeley, 1966; M.A., <i>ibid.</i> , 1968.	
GANN, HELENE L.	1966
Instructor of Economics and Business Administration. B.S., Wagner College, 1962; M.B.A., Boston College, 1966.	
GORDON, ROBERT A.	1968
Instructor of Spanish. A.B., Colby College, 1965; M.A., University of Colorado, 1967.	
GRAHAM, JOHN C.	
Instructor of English. A.B., Muskingum College, 1963; M.A., Ohio University, 1965.	
GRIFFITHS, RICHARD L.	1967
Assistant Professor of Music. B.M.E., Wichita University, 1964; M.M.E., <i>ibid.</i> , 1966.	
GUILLERMO, EDENIA	1965
Assistant Professor of Spanish. B.A., Instituto de Matanzas, Cuba, 1935; Ed.D., University of Havana, Cuba, 1939; Ph.D., <i>ibid.</i> , 1949.	
HAMILTON, MARTHA M.	1937
Assistant Professor of Art. B.A., University of North Carolina, 1923; M.Ed., Harvard University, 1932.	
HASTINGS, WILLIAM M.	1968
Assistant Professor of Psychology. B.S., Loyola University, 1962; M.A., Southern Illinois University, 1966; Ph.D., <i>ibid.</i> , 1969.	
HAUGE, HARRIS R.	1963
Head Librarian and Associate Professor of Library Science. B.A., St. Olaf College, 1949; M.A., University of Minnesota, 1951.	
HERBSLEB, JAMES R.	1956
Professor of Economics and Business Administration. B.A., College of the Pacific, 1947; M.A., Temple University, 1949; J.D., School of Law, Temple University, 1949.	

HERMAN, RICHARD S.	1969
Instructor of Sociology. B.A., Southern Illinois University, 1966; M.A., <i>ibid.</i> , 1969.	
HILL, PETER S.	1967
Instructor of Music. B.M., DePauw University, 1959; M.M., <i>ibid.</i> , 1960.	
JAFFE, SAMUEL P.	1964
Instructor of German. A.B., University of Chicago, 1954 (Liberal Arts); A.B., <i>ibid.</i> , 1958 (German); A.M., <i>ibid.</i> , 1964.	
JOHNSON, A. FRANKLIN	1966
Professor of Physics. B.S., University of Alberta, 1938; M.A., University of Toronto, 1947; Ph.D., <i>ibid.</i> , 1949.	
JOHNSON, J. PRESCOTT	1962
Professor of Philosophy. A.B., Kansas City College, 1943; A.B. Kansas State College, 1946; M.S., <i>ibid.</i> , 1948; Ph.D., Northwestern University, 1959.	
JONES, BERWYN E.	1963
Assistant Professor of Chemistry. A.B., Nebraska Wesleyan University, 1958; Ph.D., Kansas State University, 1965.	
KAMANO, DENNIS K.	1964
Lecturer in Psychology. B.A., Nebraska Wesleyan, 1952; M.A., University of Denver, 1955; Ph.D., <i>ibid.</i> , 1957 (part-time).	
KENNEDY, ADELE	1946
Associate Professor of English. B.A., University of Iowa, 1927; M.A., <i>ibid.</i> , 1928.	
KETTERER, JOHN J.	1953
Professor of Biology. B.S., Dickinson College, 1943; Ph.D., New York University, 1953.	
KLOEPPEL, PETER K.	1967
Assistant Professor of Physics. B.S., University of North Carolina, 1952; M.S., University of Illinois, 1954; Ph.D., University of Chicago, 1963.	
KUWAHARA, TAKASHI	1969
Instructor of Japanese. B.A., University of Hawaii, 1950; M.A., Tokyo University, 1960.	
LEEVER, RICHARD S.	1961
Associate Professor of English. B.A., Illinois College, 1947; M.A., University of Texas, 1949; Ed.M., University of Illinois, 1954; Ph.D., <i>ibid.</i> , 1961.	
LIEDMAN, JEAN E.	1936
Professor of Speech and Dean of Women. A.B., Monmouth College, 1927; A.M., University of Wisconsin, 1935; Ph.D., <i>ibid.</i> , 1949.	
LIN, CHI Y.	1969
Assistant Professor of Government. A.B., Tunghai University, 1961; M.A., Kansas State University, 1966; Ph.D., Southern Illinois University, 1969.	
LOHRKE, GENE	1968
Assistant Professor in Economics and Business Administration. B.S., South Dakota State University, 1962; M.S., <i>ibid.</i> , 1963; Ph.D., University of Oklahoma, 1968.	
LOYA, HEIMO A.	1936
Professor of Music. B.Mus., Chicago Musical College, 1936; A.B., Monmouth College, 1938; M.A., University of Iowa, 1941.	
MANNON, JAMES M.	1968
Instructor of Sociology. B.A., Southern Illinois University, 1966; M.S., <i>ibid.</i> , 1968.	

McALLISTER, JAMES H.	1957
Associate Professor of Mathematics. A.B., Peru State Teachers College, 1938; M.A., University of Nebraska, 1950.	
McINNIS, BERTRAM C.	1968
Assistant Professor of Physics. B.Sc., University of Alberta, 1962; M.Sc., <i>ibid.</i> , 1963; Ph.D., McGill University, 1967.	
McCLANAHAN, PAUL H.	1964
Assistant Professor of Bible and Religion and College Chaplain. A.B., College of Wooster, 1937; B.D., Union Theological Seminary, 1942.	
McCLINTOCK, ROY M.	1966
Associate Professor of Government. B.A., University of Oklahoma, 1948; M.A., <i>ibid.</i> , 1949; Ph.D., University of Missouri, 1961.	
McKENNA, FRANK S.	1966
Professor of Psychology and Dean of the College. B.S., Lehigh University, 1942; M.A., Columbia University, 1948; Ph.D., <i>ibid.</i> , 1951.	
McNAMARA, R. JEREMY	1964
Associate Professor of English. B.A., Kenyon College, 1953; M.A., University of North Carolina, 1954; Ph.D., Michigan State University, 1961.	
MELISKA, CHARLES J.	1969
Instructor of Psychology. B.A., College of Wooster, 1963; M.A., Case Western Reserve, 1968.	
MERRILL, GLEN K.	1968
Assistant Professor in Geology. B.S., Ohio University, 1957; M.A. University of Texas, 1964; Ph.D., Louisiana State University, 1968.	
MOFFET, LAURA B.	1967
Instructor of English. B.A., University of Illinois, 1948; M.A., Western Illinois University, 1968. (part-time)	
MOULDING, MURRAY B.	1967
Instructor of English. B.A., Cornell University, 1961; M.A., University of Iowa, 1965; M.F.A., University of Iowa, 1966.	
NAJJAR, ISKANDAR	1968
Instructor of Economics. B.A., Cairo University, Egypt, 1957; M.A., Indiana University, 1965.	
NICHOLAS, ALBERT C.	1948
Professor of Education. A.B., Carthage College, 1922; A.M., University of Illinois, 1933.	
NICHOLS, JOHN C.	1966
Assistant Professor of Mathematics. A.B., Blackburn College, 1960; M.S., Southern Illinois University, 1962; Ph.D., University of Iowa, 1966.	
NICHOLS, JOHN E.	1968
Registrar, B.S., Northeast Missouri State College, 1960.	
PETERSON, GRACE G.	1922
Instructor of Music. A.B., Monmouth College, 1922. (part-time).	
PETERSEN, QUENTIN R.	1969
Professor of Chemistry. B.S., Antioch College, 1948; Ph.D., Northwestern University, 1952.	

PRATS, EDDA	1967
Instructor of Spanish. B.A., Southwest Missouri State, 1960; M.A., Univ. of Illinois, 1962.	
RALSTON, HAROLD J.	1946
Professor of Classics. A.B., Tarkio College, 1922; A.M., <i>ibid.</i> , 1923; Th.B., Pittsburgh Theological Seminary, 1927; M.A., Princeton University, 1928; Ph.D., University of Iowa, 1930.	
REICHOW, WILLIAM L.	1965
Assistant Professor of Physical Education. B.S., University of Iowa, 1956; M.A., <i>ibid.</i> , 1957.	
ROSS, DOUGLAS A.	1967
Assistant Professor of Psychology. B.A., Lebanon Valley College, 1960; M.A., Bowling Green State University, 1962; Ph.D., Lehigh University, 1968.	
SHAWVER, BENJAMIN T.	1946
Professor of Education and Chemistry. B.S., Parsons College, 1932; M.A., Columbia University, 1950; Ed.D., <i>ibid.</i> , 1952.	
SHERMAN, JOHN R.	1969
Assistant Professor of Speech. B.A., Hunter College, 1965; M.A., Southern Illinois University, 1966; Ph.D. <i>ibid.</i> , 1969.	
SHERMAN, MARY J.	1969
Instructor of Speech. B.A., Millikin University, 1963; M.A., Southern Illinois University, 1969. (part-time)	
SHOEMAKER, HOMER L.	1961
Instructor of Accounting. B.S., University of Denver, 1950; M.B.A., <i>ibid.</i> , 1965; Certified Public Accountant, 1961. (part-time).	
SKOV, CHARLES E.	1963
Associate Professor of Physics. A.B., Kearney State Teachers College, 1954; Ph.D., University of Nebraska, 1963.	
SPEEL, CHARLES J., II	1951
John Young Professor of Bible and Religion. A.B., Brown University, 1939; S.T.B., Harvard University, 1949; S.T.M., <i>ibid.</i> , 1950; Ph.D., <i>ibid.</i> , 1956.	
SPROSTON, MICHAEL E.	1968
Instructor of Music. A.B., Monmouth College, 1964; M.A., University of Iowa, 1966.	
SPITZ, DOUGLAS R.	1957
Assistant Professor of History. A.B., Swarthmore College, 1949; M.A., University of Nebraska, 1955; Ph.D., <i>ibid.</i> , 1964.	
THOMPSON, SAMUEL M.	1926
Alumni Professor of Philosophy. A.B., Monmouth College, 1924; A.M., Princeton University, 1925; Ph.D., <i>ibid.</i> , 1931.	
THONNERIEUX, C. MARGARET	1969
Instructor of French. B.A., Grenoble University, 1962; M.A., University of Lyon, 1966.	
TSLEOS, GEORGE D.	1969
Assistant Professor of History. B.A., Carleton College, 1961; M.A., University of Minnesota, 1965.	
URBAN, WILLIAM L.	1966
Assistant Professor of History. B.A., University of Texas, 1961; M.A., <i>ibid.</i> , 1963; Ph.D., <i>ibid.</i> , 1967.	

WALTERSHAUSEN, GEORGE L.	1966
Instructor of Art. A.B., Knox College, 1961; M.A., University of California, Berkeley, 1963.	
WASEM, JAMES L.	1967
Assistant Professor of Physical Education. B.S., Illinois Wesleyan University, 1957; M.S., Illinois State University, 1963.	
WEEKS, J. STAFFORD	1959
Associate Professor of Bible and Religion. A.B., Juniata College, 1942; B.D., United Theological Seminary, 1945; Ph.D., University of Chicago, 1962.	
WEIDENBAUM, KEVIN J.	1967
Assistant Professor of Chemistry. B.S., The Ohio State University, 1963; Ph.D., Northwestern University, 1968.	
WILLHARDT, GARY D.	1967
Assistant Professor of English. A.B., Monmouth College, 1960; M.A., Ohio University, 1962; Ph.D., Ohio State University, 1967.	
WILLIAMS, LYMAN O.	1963, 1969
Associate Professor of Geology. B.S., University of Georgia, 1955; M.S., State University of Iowa, 1959; Ph.D., <i>ibid.</i> , 1962.	
WILLS, DONALD L.	1951
Associate Professor of Geology. B.S., University of Illinois, 1949; M.S., <i>ibid.</i> , 1951.	
WINGO, CHARLES E.	1958
Professor of Education. A.B., Furman University, 1924; M.A., Cornell University, 1937.	
WOLL, ROBERT G.	1935
Associate Professor of Physical Education. B.S., Monmouth College, 1935; M.S., University of Illinois, 1941.	
WOODWARD, KAREN M.	1969
Instructor of French. B.S., University of Nebraska, 1965; M.A., University of Wisconsin, 1967.	

ADMINISTRATION AND STUDENT SERVICES

Administrative Officers

DR. DUNCAN WIMPRESS	President
DAVID D. FLEMING, '46	Assistant to the President
DR. FRANK S. McKENNA	Dean of the College
DR. WILLIAM B. CRAFTS	Dean of Students
DAVID B. HANAMAN	Director of Development
ROBERT H. BARNETT	Business Manager

President's Office

DR. DUNCAN WIMPRESS	President
DAVID D. FLEMING, '46	Assistant to the President
MRS. H. A. LOYA, '40	Secretary
MRS. ROBERT A. AMUNDSON	Assistant Secretary

Dean's Office

DR. FRANK S. McKENNA	Dean of the College
JOHN E. NICHOLS	Registrar
JOHN F. WILBUR	Director, Admissions
DR. F. GARVIN DAVENPORT	Director, 1969 Summer Session
DR. CECIL C. BRETT	Director, East Asian Studies Program
HARRIS R. HAUGE	Head Librarian
WITOLD NOVAK	Director, Audio-visual Services

Student Personnel Services

DR. WILLIAM B. CRAFTS	Dean of Students
DR. JEAN E. LIEDMAN, '27	Dean of Women
ELWOOD H. BALL	Dean of Men
THE REVEREND PAUL H. McCLANAHAN, '37	Chaplain
DR. ROY M. McCLINTOCK	Adviser, Foreign Students
DR. JAMES B. EBERSOLE	Medical Director, Health Center
DR. JAMES W. MARSHALL, '36	Medical Director, Health Center
DONALD W. KETTERING, '55	Director, Student Aid and Placement
MRS. JAMES HUMPHREY	Acting Director, Student Center

Development Department

DAVID B. HANAMAN	.....	Director of Development
GERALD W. McBRIDE, '56	.....	Assistant to the Director
GLEN D. RANKIN, '43	.....	Director, Alumni Relations
STEVE L. ROBERTS	.....	Director, Public Information

Business Office

ROBERT H. BARNETT	.....	Business Manager
ROBERT M. STELLER	.....	Controller
RICHARD O. HILDRETH, '50	.....	Director, Personnel and Purchasing
GORDON K. YOUNG, '61	.....	Director, Data Processing
ROBERT L. WINKLER	.....	Director, Physical Plant

STUDENT ASSOCIATION

The Officers

SARA WYANT, '70, Shawnee Mission, Kansas	.....	President
JAMES S. MORGAN, '70, Lisle, Illinois	.....	Vice President
CLAYTON S. APT, '70, Galesburg, Illinois	.....	Treasurer
CAROLYN A. WADE, '71, New Albany, Mississippi	.....	Secretary
RODERICK L. FUESS, '71, Oriskany Falls, New York	.....	Assistant to the President

Committee Chairmen

CHARLES E. LITTLE, '71, Chicago, Illinois	.....	Elections and Chartering
E. PAYSON SMITH, '72, Winnetka, Illinois	.....	Public Relations
CLAYTON S. APT, '70, Galesburg, Illinois	.....	Finance
DAVID VAN ESELSTYN, '70, Bowie, Maryland	.....	Academic Affairs
ELIZABETH A. STEFFY, '71, Webster Groves, Missouri	.....	General Policy
ROBERT G. RILEY, '71, Des Moines, Iowa	.....	General Services

Boards

L. W. HITCHCOK, '71, Lawrence, Pennsylvania	....	Chairman, Student Judicial Board
ALAN J. LANDAUER, '70, White Plains, N.Y.	....	Chairman, Communications Board
JOHN C. BOUBELIK, '71, Crystal Lake, Illinois	....	Chairman, Student Center Board

Media Managers

EDWARD K. DORRIS, '71, Ho-Ho-Kus, New Jersey	Editor, <i>The Oracle</i>
ELLEN S. ARKIS, '72, Alton, Illinois	Co-editor, <i>The Ravelings</i>
HEINZ BRISKE, '71, Flossmoor, Illinois	Co-editor, <i>The Ravelings</i>
CYNTHIA A. WALLACE, '72, Silver Spring, Maryland	Co-editor, <i>The Piper</i>
RICHARD H. JEWELL, '70, Monmouth, Illinois	Co-editor, <i>The Piper</i>

ALUMNI ASSOCIATION

The Monmouth College Alumni Association was founded May 13, 1878, and now has more than 7,700 members living in every state of the union and some forty foreign countries. Membership in the Association is automatic for graduates and non-graduates alike.

The Alumni Association presents the Distinguished Alumni Awards at Commencement and elects one alumnus annually to a three-year term on the College Senate.

ALUMNI ASSOCIATION BOARD OF DIRECTORS

The Officers

President

CHARLES E. BRANDT, JR., '51
The International Nickel Co., Inc.
Rumson, New Jersey

Vice President

W. JEROME HATCH, '57
Deere & Company
Moline, Illinois

Secretary

DEAN B. McGAAN, '59
The Bunker-Ramo
Wheaton, Illinois

The Directors

DR. DAVID C. ALLISON, '53
Monmouth College
Monmouth, Illinois

MRS. JAN FORSYTHE FISHBURN, '58
Housewife
Potomac, Maryland

ROBERT S. BASHAW, '52
Morand Bros. Beverage Company
Elmhurst, Illinois

ORAL A. KOST, '50
Attorney at Law
Lewistown, Illinois

RAYMOND BROOKS, '53
3-M Company
San Diego, California

ROGER L. JOHNSON, '45
Jessop Steel Company
Bay Village, Ohio

DONN H. DENNISTON, '60
Ford Motor Company
Birmingham, Michigan

LELAND R. MARSHALL, '51
The Sierracin Corporation
Burbank, California

DR. ROBERT D. FEEHELEY, '49
Physician
Saginaw, Michigan

PETER A. NELSON
Advertising Executive
Needham, Harper & Steers, Inc.
Barrington, Illinois

SCOTT OVERTON, '54
Sparta, New Jersey

WALTER W. PAUL, '28
The Paul Farms
LeClaire, Iowa

JAMES J. PEREGOY, JR., '46
Bowman Shoe Company
Monmouth, Illinois

NELSON POTTER, '61
University of Nebraska
Lincoln, Nebraska

MRS. ANNE SANDERS SPIERING, '43
Normandy Junior High School
St. Louis, Missouri

CLAYTON V. TAYLOR, '26
Herndon Federal Savings
and Loan Association
Chantilly, Virginia

RALPH E. WHITEMAN, '52
Monmouth Savings
and Loan Association
Monmouth, Illinois

MRS. JUANITA WINBIGLER REINHARD, '42
Housewife
Arlington Heights, Illinois

PARENT ASSOCIATION

Present parents of Monmouth College students are represented on the Parent Advisory Council, which works to establish a closer relationship between the College and parents of present and former students. The Council encourages participation in special events for parents on and off campus, such as Fall and Spring Parent Days and Commencement Weekend. Another important function of the Council is to give advice and counsel relating to the operation of the College in which the reactions of parents are significant.

PARENT ADVISORY COUNCIL

The Officers

Chairman
MR. AND MRS. WILLIAM C. WRIGHT
Wright, Porteous & Lowe, Inc.
Indianapolis, Indiana

Vice Chairman
MR. AND MRS. LEWIS W. LEES
Caterpillar Tractor Co.
Peoria, Illinois

The Members

Mr. and Mrs. Willard Askew
Technical Petroleum Co.
Chicago, Illinois

Mr. and Mrs. J. D. Bowers
United Air Lines
Chicago, Illinois

Dr. and Mrs. Richard S. Bowman
Dentist
Kewanee, Illinois

Mr. and Mrs. C. Benjamin Brush, Jr.
Stroheim & Romann
New York, New York

Mr. and Mrs. Everitt A. Carter
Oak Electro-Netics Corp.
Crystal Lake, Illinois

Mr. and Mrs. William W. Cross
Kimberly-Clark Corp.
Neenah, Wisconsin

Mr. and Mrs. John H. Dodge
Certified Public Accountant
Skokie, Illinois

Mr. and Mrs. Charles C. Donovan
Attorney at Law
Chicago Heights, Illinois

Mr. and Mrs. Jack J. Flynn
Indianapolis Paint & Color Co.
Indianapolis, Indiana

Mr. and Mrs. Lyman Fort
Attorney at Law
Stronghurst, Illinois

Mr. and Mrs. Harry J. Fowler
Cereal Institute, Inc.
Chicago Heights, Illinois

Mr. and Mrs. Carter H. Golembe
Carter H. Golembe Association, Inc.
Washington, D. C.

Mr. and Mrs. Harold Jahnel
National Bank & Trust
Sycamore, Illinois

Mr. and Mrs. Walter G. Johnson
Butler Manufacturing Co.
Galesburg, Illinois

Mr. and Mrs. John B. Kelley
AVCO Economic Systems Corp.
Washington, D. C.

Mr. and Mrs. Walter T. Kuhlmeier
Attorney at Law
Evanston, Illinois

Mr. and Mrs. L. W. Luehrs
State Farm Mutual Automobile
Insurance Co.
Bloomington, Illinois

Mr. and Mrs. Joseph C. McKenzie
Pepsi Cola Bottling
Bethel, Connecticut

Mr. and Mrs. C. A. Michael, Jr.
Commercial National Bank of Peoria
Peoria, Illinois

Mr. and Mrs. James C. Morrison
The First Boston Corp.
New York, New York

Dr. and Mrs. Stuart Roeder
Physician
Watseka, Illinois

Mr. and Mrs. Kenneth W. Seaman
Encyclopaedia Britannica
Educational Corp.
Wilmette, Illinois

Mr. and Mrs. Arthur L. Snyder
Apex Liftruck & Supply Co.
Denver, Colorado

Mr. and Mrs. William J. Stephens
Jones & Laughlin Steel Co.
Pittsburgh, Pennsylvania

Mr. and Mrs. James Swanson
The Baden Bank of St. Louis
St. Louis, Missouri

Mr. and Mrs. Bruce P. Tweed
Dole Refrigerating Co.
Chicago, Illinois

Dr. and Mrs. Arthur C. Watson, Jr.
Physician
Galesburg, Illinois





Academics 17	Class Attendance 98
<i>Academic Regulations</i> 98	Classification of Students 102
<i>Curricula, suggested</i> 27	CLASSICAL CIVILIZATION 49
<i>Requirements for Graduation</i> 18	CLASSICAL LANGUAGES 47
Accreditation 7	College Entrance Examination
Administrative Personnel 133	Boards 106
Advanced Placement 107	Comprehensive Examinations 19
Advance Tuition Deposits 111	Concentration, Field of 19
Adviser, Faculty 11	Contents, Table of 2
Alumni Association 134	Costs 108
Admission 105	Counseling 11
<i>Application Procedure</i> 106	COURSES OF INSTRUCTION 37
Campus Visits 106	Art 37
College Board Test 106	<i>Bible and Religion</i> 40
Committee Action 107	Biology 42
Financial Aid 113	Chemistry 45
Honors-at-Entrance 108	<i>Classical Languages</i> 47
Requirements 102	<i>East Asian Studies</i> 49
Transfer Applicants 107	Economics 51
Application Fee 112	<i>Education</i> 54
ART 37	English 58
Associated Colleges of the	<i>Geology</i> 61
Midwest 7, 108	<i>Government</i> 63
Athletics 11	History 67
Athletic Facilities 14	<i>Mathematics</i> 69
Attendance, Class 98	<i>Modern Foreign Languages</i> 72
Auditing Courses 110	Music 80
Bachelor of Arts Degree 18	<i>Philosophy</i> 84
BIBLE AND RELIGION 40	<i>Physical Education</i> 86
BIOLOGY 42 (See also Central American	Physics 89
Field Studies, 20. Wilderness Field	<i>Psychology</i> 91
Station, 24.)	<i>Sociology</i> 93
Boone Oriental Art Collection 38	Speech 95
Campus 13	Credit by Examination 102
<i>Academic Buildings</i> 13	Credits, High School 106
<i>Athletic Facilities</i> 14	Credits, Transcript of 107
<i>Library</i> 13	Credits, Transfer of 103
<i>Quinby House</i> 15	Cumulative Grade-Point Average 99
<i>Residence Halls, Student</i> 14	Curriculum, Organization of 27
<i>Student Center</i> 15	Curriculum, Suggested 27
Campus Visits 106	Cuttington College Program 22
Career Preparation 25	Deferred Payment 111
Carnegie Library 13	Degrees 102
Certificate for Teaching 26	Departmental Major 19
CHEMISTRY 28 (See also Argonne	Deposits, Advance 111
Semester, 20.)	Directories 123
Choir 83	Disciplinary Probation 101
	Distribution Requirements 18

EAST ASIAN STUDIES PROGRAM 49
 ECONOMICS AND BUSINESS
 ADMINISTRATION 51
 EDUCATION 54 (See also Urban
 Education Program, 24.)
 ELEMENTARY EDUCATION 19
 Employment, Student 116
 Endowed Professorships 121
 Endowed Scholarships 116
 ENGLISH 58
 ENGINEERING 25
 Engineering Binary Program (See
 Pre-professional program) 25
 Entrance Requirements 106
 Examinations 106
 Advanced Placement 107
 Scholastic Aptitude 106
 Senior Comprehensive 19
 Expenses 108
 Experiment in International Living 22
 (See also Special Studies) 20

Faculty 126
 Faculty Advisers 11
 Fees 110
 Advance Payments 111
 Late Payments 112
 Miscellaneous 112
 Payment of 111
 Refund of 112
 Room and Board 110
 Transcript of Credits 111
 Tuition and Fees 110
 Financial Aid 113
 FOREIGN LANGUAGES, MODERN 72
 Fraternities 10
 FRENCH 73
 Freshman Orientation 11
 Freshman Students 106

General Information 7
 GEOLOGY 61
 GERMAN 74
 GOVERNMENT 63 (See also
 Washington Semester, 24.
 Washington House, 24.)
 Grading System 99
 Graduation Requirements 18
 Grants-in-Aid 113

GREEK 48
 Gymnasium 14

Health Service 13
 HISTORY 66
 History, College 7
 Honors-at-Entrance 108
 Honors-at-Graduation 102
 Housing, Student 14

Individual Study 19
 Installment Payment Plans 111
 Insurance, Health 13
 Intramural Sports 15
 Intercollegiate Athletics 11

JAPANESE 77
 Jamieson Center 10

LATIN 47
 Library, Carnegie 13
 Library Endowments 120
 Linen Service 110
 Loans, Student 113

MATHEMATICS 69
 Meal Rates 110
 Memorial Funds 121
 Men's Residences 14
 Midwest Athletic Conference 11
 MODERN FOREIGN LANGUAGES 72
 Monmouth College Senate 124
 Monmouth College Planning
 Council 10
 Monthly Payment Plans 111
 MUSIC 80
 Music, Applied 83
 Musical Organizations 83
 MILITARY SCIENCE (See R.O.T.C.)
 Reserve Officers Training Corps, 23.)

National Defense Education Act
 Loans 111
 Newberry Library Seminar 23

Oracle, The 134
 Orientation, Student 11

Parent Association 136
 Parent Orientation 11
 Payment Plans 111
 PHILOSOPHY 84
 PHYSICAL EDUCATION 86
 Physical Education Facilities 14
 PHYSICS 89
Piper, The 135
 Placement, Advanced 107
 Placement, Vocational 107
 POLITICAL SCIENCE 63 (See
 Government)
 Presidents of the College 7
 Pre-Professional Programs 25
 Communications 8
 Dentistry 25
 Engineering 25
 Law 25
 Library Science 25
 Medicine 26
 Medical Technology 26
 Ministry and Christian Education 26
 Teaching 26
 Prizes and Awards 119
 Probation, Academic 101
 Professors Emeriti 126
 PSYCHOLOGY 91

Ravelings, The 135
 Refunds 112
 Registration 99
 Regulations, Academic 98
 RELIGION AND BIBLE 40
 Requirements for Graduation 18
 Residence Halls, Students 14
 R.O.T.C. 23
 RUSSIAN 78

 S/U 101
 Satisfactory/Unsatisfactory Grading
 System 101
 Scholarships 113
 Scholastic Aptitude Test 106
Scots Guide 11
 SECONDARY EDUCATION 56
 Seminars and Individual Study 19
 Senate, Monmouth College 124
 Single Application Method (SAM) 108
 Social Regulations 8

 SOCIOLOGY 93
 Sororities 10
 SPANISH 78
 Special Students 111
 Special Study Programs 20
 Argonne Semester 20
 Central American Field Studies 20
 Creative Dramatics and Children's
 Theater Semester 20
 Cuttington College Program 22
 East Asian Studies Program 22
 Engineering, Three-two Cooperative
 Program 22
 Experiment in International Living 22
 Introductory Geology in the Rocky
 Mountains 22
 High School Seniors' Honors
 Program 23
 Junior Year Abroad 23
 Newberry Library Seminar in
 Humanities 23
 R.O.T.C. (Reserve Officers Training
 Corps) 23
 Summer Institutes Abroad 23
 Urban Teaching Semester 24
 Washington House 24
 Washington Semester 24
 Wilderness Field Station 24
 SPEECH 95
 Sports Program 11
 Student Activities 8
 Student Association 134
 Student Communications Board 134
 Student Center Board 134
 Student Judicial Board 134
 Student Life 8
 Activities, Student 8
 Religious Life 11
 Student Personnel Services 11
 Sports Program 11
 Student Life Committee 8
 Student Loans 115
 Student Publications 8
 Student Services 11
 Studio Art Courses 37
 Suggested Curricula 27

 Table of Contents 2
 Teacher Preparation 26, 56

Teaching Certificates 56
Theater 95
Three-three Program 8
Three-Term, Three-Course
Curriculum 8, 99
Topical Major 19
Transcript of Credits 111
Transfer Students, Admission of 107
Tuition 110
United Presbyterian Church, U.S.A. 11
United Student Aid Loans 116

Vocational Counseling 11
Vocational Placement 107

Washington House 24
Washington Semester 24
Warren Achievement School
Wilderness Field Station 24

FIRST TERM, 1969

September 20	Saturday	Orientation begins
September 23	Tuesday	Orientation ends
September 23-24	Tuesday-Wednesday	Registration
September 24	Wednesday, 1:00 p.m.	First term classes begin
November 26	Wednesday noon	Thanksgiving Recess begins
December 1	Monday, 8:00 a.m.	Classes resume
December 8	Monday	Last day of classes
December 9	Tuesday	Exams begin
December 12	Friday	Exams end

SECOND TERM, 1970

January 5	Monday	Second term classes begin
March 13	Friday	Last day of classes
March 16	Monday	Exams begin
March 19	Thursday	Exams end

THIRD TERM, 1970

March 30	Monday	Third term classes begin
June 5	Friday	Last day of classes
June 8	Monday	Exams begin
June 11	Thursday	Exams end
June 14	Sunday	Commencement

MONTMORAGANNA



Monmouth College

MONMOUTH, ILLINOIS 61462

BULK RATE
Non-Profit Org.
U.S. POSTAGE
PAID
Permit No. 3
Monmouth, Illinois

ADDRESS CORRECTION REQUESTED
RETURN POSTAGE GUARANTEED